ORDER NO. VRD9001M102

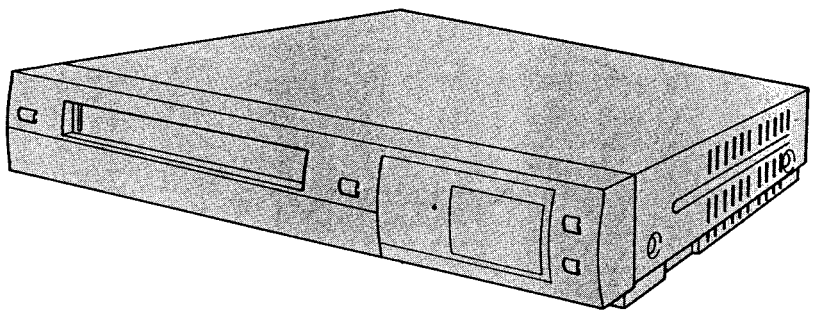
Service Manual

General Description
Adjustment Procedures
Block / Schematic Diagrams
Exploded Views / Parts List

Video Cassette Recorder

Panasonic VHS HQ
PAL

NV-J30EO EV EI ER



SPECIFICATIONS

ITEM	SPECIFICATION		ITEM	SPECIFICATION
POWER	SOURCE: 220V 50/60Hz (NV-J30EO/EV/ER) 240V 50/60Hz (NV-J30EI)		VIDEO	HEADS: 3 rotary heads 1 pair for recording, playback (L-R heads) 1 pc. for trick play (L' heads)
	CONSUMPTION: 22W			INPUT: EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated
RECORDING SYSTEM	2 rotary heads, helical scanning system			OUTPUT: EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated
	PAL		AUDIO	HEAD: 1 Stationary head (Normal Audio)
TV TUNER SYSTEM	EO NV-J30EV ER	VHF I : CHE2~CHS3 VHF III: CHM1~CHE12 VHF H: CHU1~CHS41 (PAL B: NV-J30EO) (PAL/SECAM B: NV-J30EV/ER) 75Ω unbalanced UHF: CHE21~CHE69 (PAL G: NV-J30EO) (PAL/SECAM G: NV-J30EV/ER) 75Ω unbalanced		INPUT: EURO AV Connector (21 pin) More than −10dBV (316mV), more than 10kΩ
	NV-J30EI	VHF I : CHA~CHC VHF III: CHD~CHH2 VHF H: CHS11~CHS20 (PAL B) 75Ω unbalanced UHF: CHE21~CHE69 (PAL G) 75Ω unbalanced		OUTPUT: EURO AV Connector (21 pin) −6dBV (500mV), Less than 1kΩ
			TAPE FORMAT	VHS Cassette tape (Tape width 12.7mm)
			TAPE SPEED	23.39mm/s Record/Playback Time: 4 hours with 240min. type tape FF/REW Time: 5.5min. with 180min. type tape
			DIMENSIONS	380(W)×82(H)×345.5(D)mm
RF OUT SYSTEM	UHF: CH36±4 (PAL G: NV-J30EO) (PAL/SECAM G: NV-J30EV/ER) 70 $^{+3}_{-3}$dBμ, 75Ω terminated (NV-J30EO/EV/ER) UHF: CH36±4 (PAL G) 73 $^{+3}_{-3}$dBμ, 75Ω terminated (NV-J30EI)		WEIGHT	4.9kg (NV-J30EI) 4.8kg (NV-J30EO/EV/ER)
			STANDARD ACCESSORIES	1 pc. DIN-RF Cable 1 pc. Infra-red remote controller 1 pc. Programme sheet 1 pc. AC Cord

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

INTRODUCTION

This service manual technical information which will allow service personnels to understand and service the VHS Cassette Recorder Models NV-J30EO/EV/EI/ER.
This service manual is beased on NV-J30EG service manual.
Therefore please refer to the descriptions which are shown in NV-J30EG service manual Order No. VRD8912M169.

CONTENTS

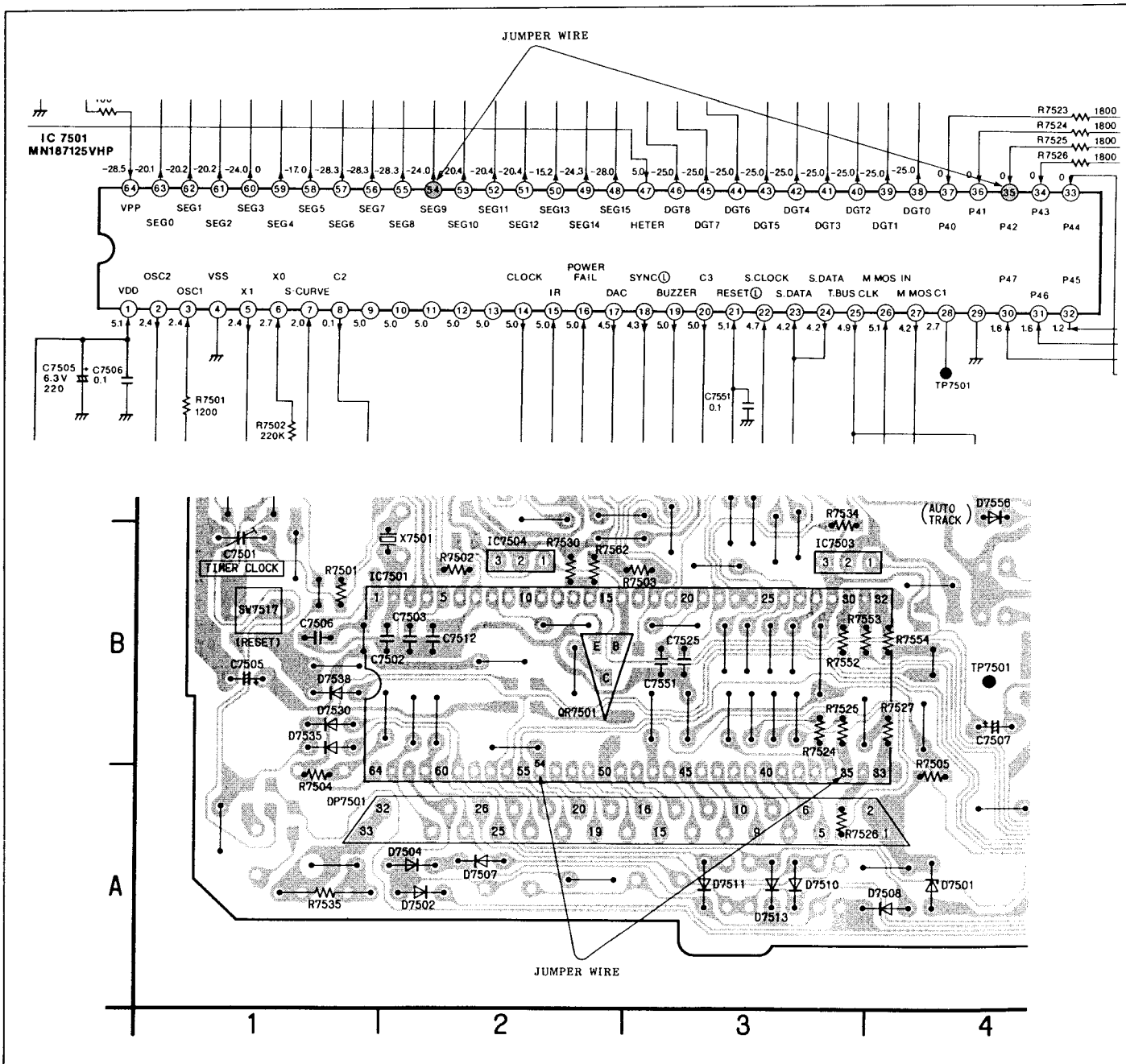
1. COMPARISON CHART 1
2. ADJUSTMENT PROCEDURES 3
3. POWER SCHEMATIC DIAGRAM 4
4. POWER C.B.A. 6
5. SUB MAIN SCHEMATIC DIAGRAM 8
6. SUB MAIN C.B.A. 12
7. LUMINANCE & CHROMINANCE SCHEMATIC DIAGRAM 15
8. INPUT/OUTPUT PACK C.B.A. 17
9. INPUT/OUTPUT PACK SCHEMATIC DIAGRAM 18
10. AUDIO SCHEMATIC DIAGRAM 20
11. CHANNEL SELECT SCHEMATIC DIAGRAM 22
12. TV DEMODULATOR C.B.A. 24
13. TV DEMODULATOR SCHEMATIC DIAGRAM 26
14. RF CONVERTER SCHEMATIC DIAGRAM (NV-J30EO/EV/ER) 28
15. MAIN C.B.A. 29
16. INTERCONNECTION SCHEMATIC DIAGRAM 32
17. EXPLODED VIEWS 34
18. ELECTRICAL REPLACEMENT PARTS LIST 35

Technical Information

Please pay attention when you replace the memory IC IC7502 (MN12C261D) on Timer C.B.A.
Since the any data for new memory IC has been initialized at factory, the buzzer"on"data should be always set on the memory IC when your repairing.
The following steps must be performed after installing the new memory IC to Timer C.B.A.

Method (Contacting jumper wire on Timer C.B.A.)

1. Contact the lead wires between pin 54 and pin 35 on the Timer IC7501 twice by using jumper wire as shown below.
2. Confirm that "Beep-Beep" sound from the VTR warm you when setting any programmes.



1. COMPARISON CHART

This chart is described different part from the basic model NV-J30EG to the new model NV-J30EO/EV/EI/ER.

Notes: IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety.
When replacing any of these components, use only the same type.

Mechanical Replacement Parts (A)...Added, (C)...Changed, (D)...Deleted

Ref. No	NV-J30EG Part No.	NV-J30EO/EV /EI/ER Part No.	Pcs/ Set	Part Name & Description	Remarks
300(4)	VYP3043	VGM0624	1	TOP PANEL	(C)NV-J30EO/EV/ER [SUPPLIED FROM M.B.V]
301(4)	VHD0304	VHD0304	4→2	TOP PANEL SCREW	(C)NV-J30EO/EV/ER
302(4)	VKU0309	VKU0245	1	BOTTOM PLATE	(C)NV-J30EO/EV/ER
311(4)	VHD0059	VHD0059	7→4	BOTTOM PLATE SCREW	(C)NV-J30EO/EV/ER
322(4)	------	VMP1994	0→1	TOP HOLDER ANGLE (RR)	(A)NV-J30EO/EV/ER
324(4)	VMP1037	------	3→0	TOP HOLDER ANGLE (L)	(D)NV-J30EO/EV/ER
400(5)	VQT3558	VQT3558	1	OPERATING INSTRUCTIONS (ENGLISH/GERMAN/FRENCH)	NV-J30EO/EV/EI<!> [SUPPLIED FROM M.B.V]
		VQT3617	1	OPERATING INSTRUCTIONS (GREEK)	(C)NV-J30ER<!> [SUPPLIED FROM M.B.V]
		VQT3614	1	OPERATING INSTRUCTIONS (ITALIAN)	(C)NV-J30EI/EV<!> [SUPPLIED FROM M.B.V]
		VQT3615	1	OPERATING INSTRUCTIONS (SPANISH/DUTCH/PORTUGUESE)	(C)NV-J30EO<!> [SUPPLIED FROM M.B.V]
		VQT3616	1	OPERATING INSTRUCTIONS (FINNISH/SWEDISH/DANISH)	(C)NV-J30EO<!> [SUPPLIED FROM M.B.V]
406(5)	VPN2403	VPN2403	1	CUSHION (R)	(C)NV-J30EO/EI/ER [SUPPLIED FROM M.B.V]
		VPN2356	1	CUSHION (R)	(C)NV-J30EV
407(5)	VPN2402	VPN2402	1	CUSHION (L)	(C)NV-J30EO/EI/ER [SUPPLIED FROM M.B.V]
		VPN2357	1	CUSHION (L)	(C)NV-J30EV
408(5)	VPG5289	VPG5373	1	PACKING CASE	(C)NV-J30EO [SUPPLIED FROM M.B.V]
		VPG5306	1	PACKING CASE	(C)NV-J30EV
		VPG5372	1	PACKING CASE	(C)NV-J30EI [SUPPLIED FROM M.B.V]
		VPG5375	1	PACKING CASE	(C)NV-J30ER [SUPPLIED FROM M.B.V]

Electrical Replacement Parts (A)...Added, (C)...Changed, (D)...Deleted

Ref. No	NV-J30EG Part No.	NV-J30EO/EV /EI/ER Part No.	Pcs/ Set	Part Name & Description	Remarks
	VEP03764A	VEP03764G	1	MAIN C.B.A.	(C)NV-J30EO<!> [SUPPLIED FROM M.B.V]
		VEP03764F	1	MAIN C.B.A.	(C)NV-J30EV<!>
		VEP03764D	1	MAIN C.B.A.	(C)NV-J30EI<!> [SUPPLIED FROM M.B.V]
		VEP03764E	1	MAIN C.B.A.	(C)NV-J30ER<!> [SUPPLIED FROM M.B.V]
	VEP03594A	VEP03594C	1	INPUT/OUTPUT PACK C.B.A.	(C)NV-J30EO/EV/ER [SUPPLIED FROM M.B.V]
	VEP03765B	VEP03765E	1	SUB MAIN C.B.A.	(C)NV-J30EO [SUPPLIED FROM M.B.V]
		VEP03765D	1	SUB MAIN C.B.A.	(C)NV-J30EV/ER [SUPPLIED FROM M.B.V]
		VEP03765C	1	SUB MAIN C.B.A.	(C)NV-J30EI [SUPPLIED FROM M.B.V]
	VEP03452F	------	1→0	DDR SECAM PACK C.B.A.	(D)NV-J30EO/EI
	VEP07538D	------	1→0	VPS PACK C.B.A.	(D)NV-J30EO/EI/ER
	VEP07596C	VEP07596D	1	TV DEMODULATOR PACK C.B.A.	(C)NV-J30EO/EV/ER [SUPPLIED FROM M.B.V]
	VEP01420AB	VEP01420AC	1	POWER C.B.A.	(C)NV-J30EO/EV/ER<!> [SUPPLIED FROM M.B.V]
	ENC17976	ENC17974	1	RF CONVERTER	(C)NV-J30EO/EV/ER<!> [SUPPLIED FROM M.B.V]

2. ADJUSTMENT PROCEDURES

This section is describe difference between NV-J30EG and NV-J30EO/EV/EI/ER.

2-1. DISASSEMBLY METHOD

2-1-2. DETAIL OF DISASSEMBLY METHOD

1. REMOVAL OF THE TOP PANEL UNIT

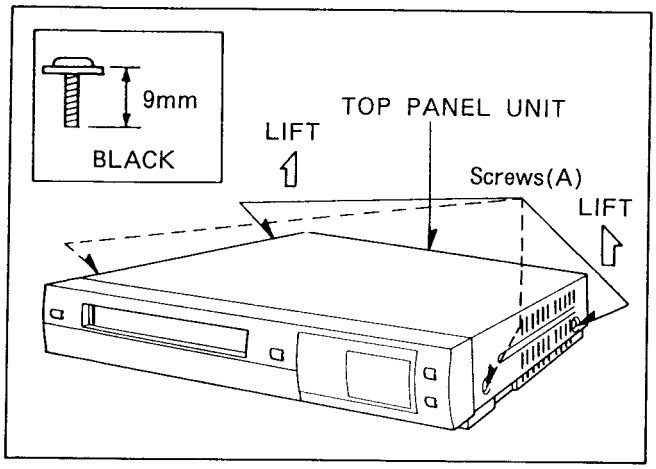
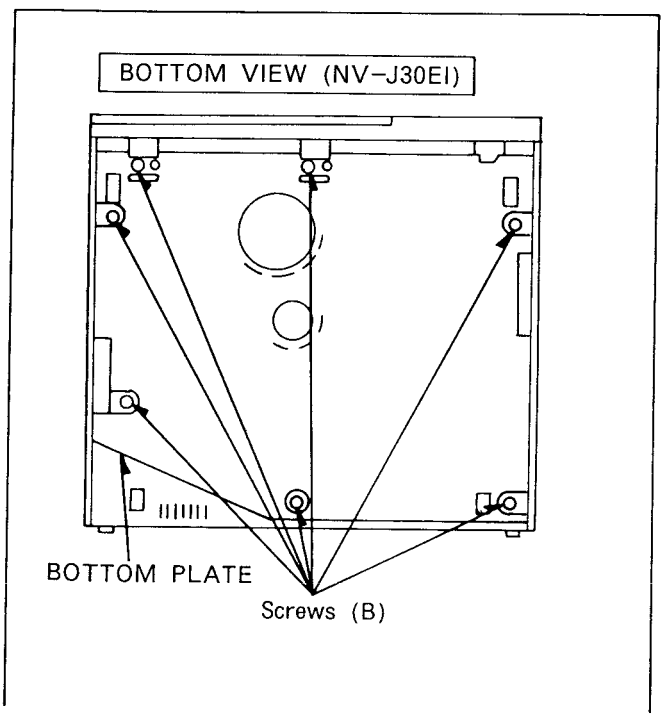


Fig. D2

Remove ... 4 Screws (A) : NV-J30EI
2 Screws (A) : NV-J30EO/EV/ER

2. REMOVAL OF THE BOTTOM PLATE



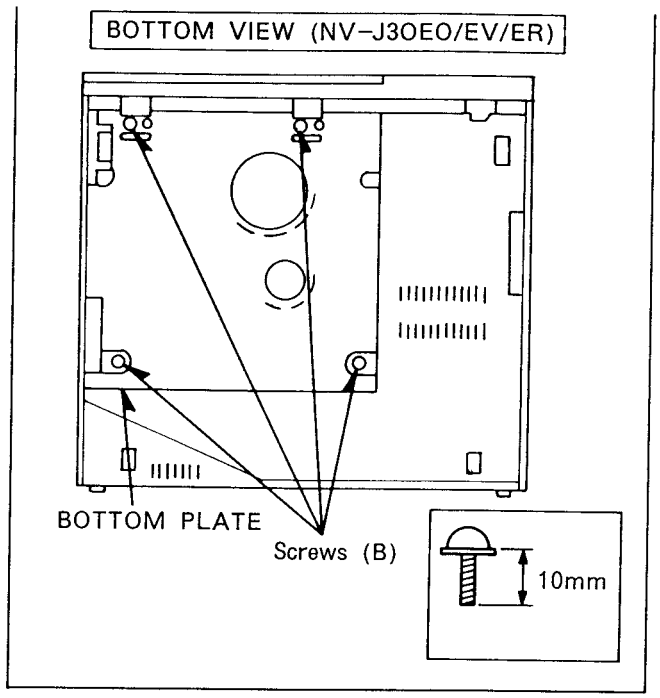


Fig. D3

Remove ... 7 Screws (B) : NV-J30EI
4 Screws (B) : NV-J30EO/EV/ER

2-3. ELECTRICAL ADJUSTMENT PROCEDURES

2-3-10. SECAM KILLER ADJUSTMENT (NV-J30EV/ER ONLY)

TP	ADJ.	MODE	INPUT
IC851-11	T851	RECORDING	SECAM VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	Portion A is peak to negative direction.	

1. Adjust T851 so that the portion "A" becomes maximum waveform.

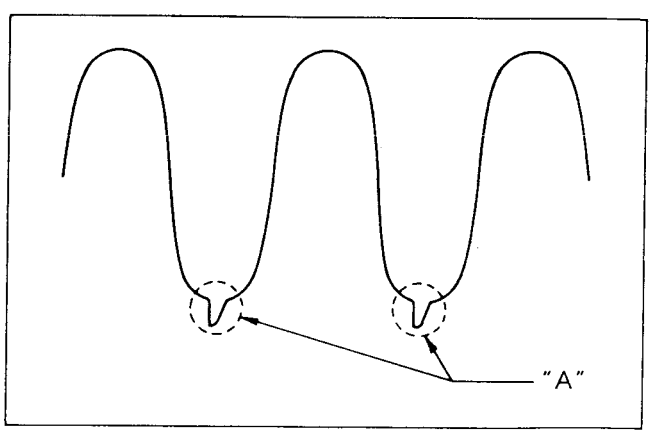
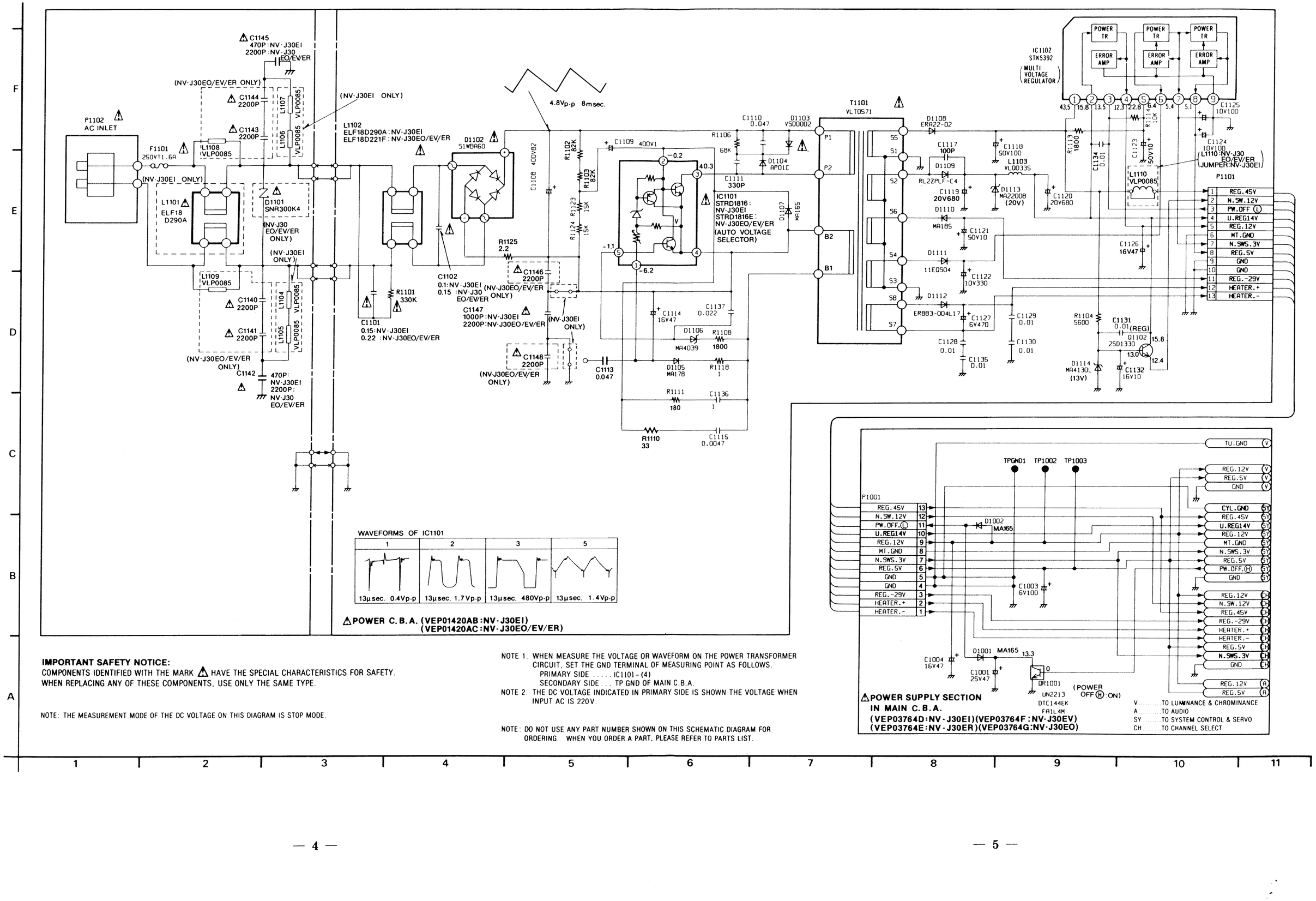


Fig. E10

3. POWER SCHEMATIC DIAGRAM



IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

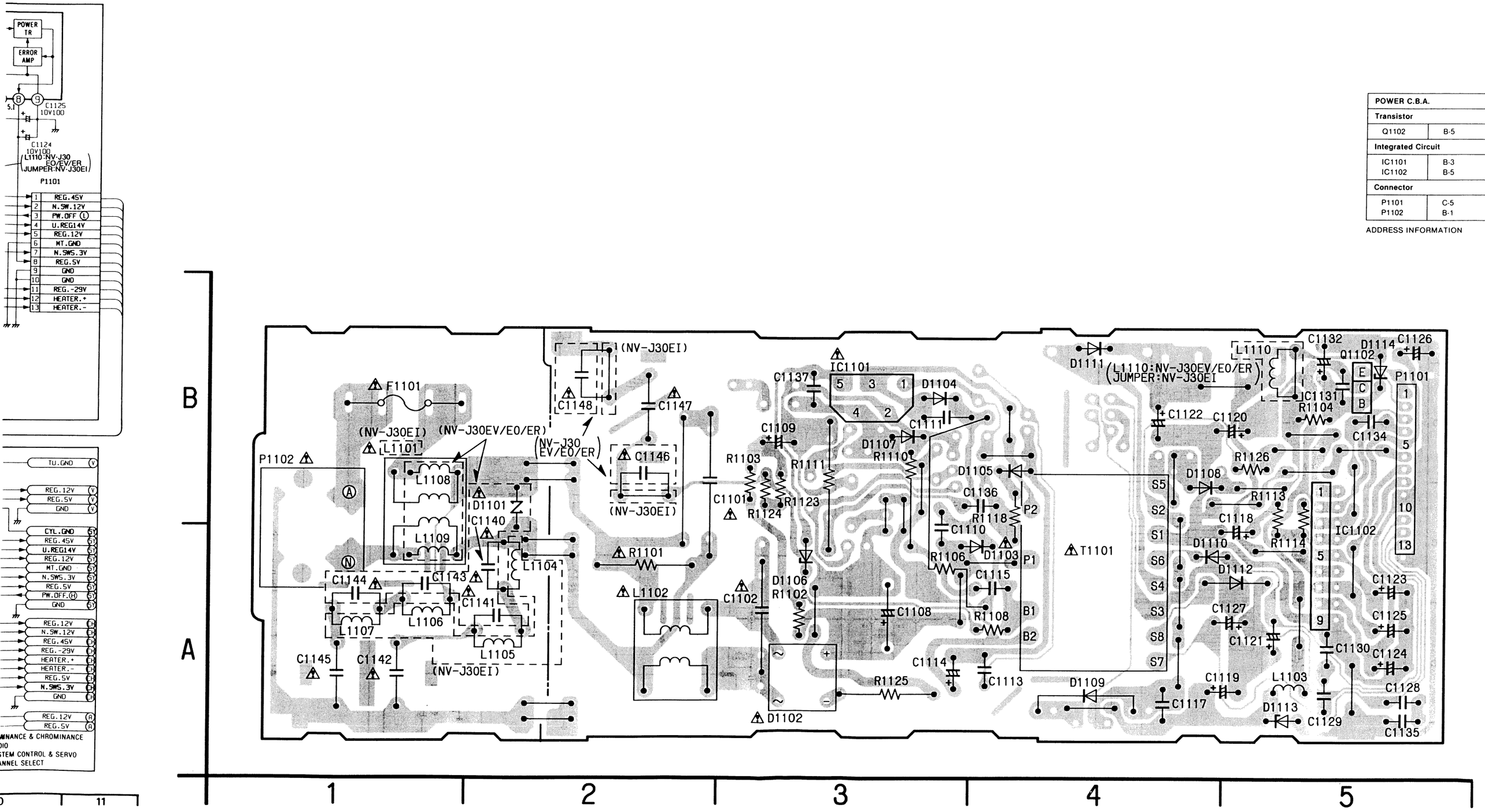
NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE ..... IC1101-(4)
SECONDARY SIDE ... TP GND OF MAIN C.B.A.
NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 220V.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

4. POWER C.B.A. (VEP01420AB: NV-J30EI) (VEP01420AC: NV-J30EO/EV/ER)

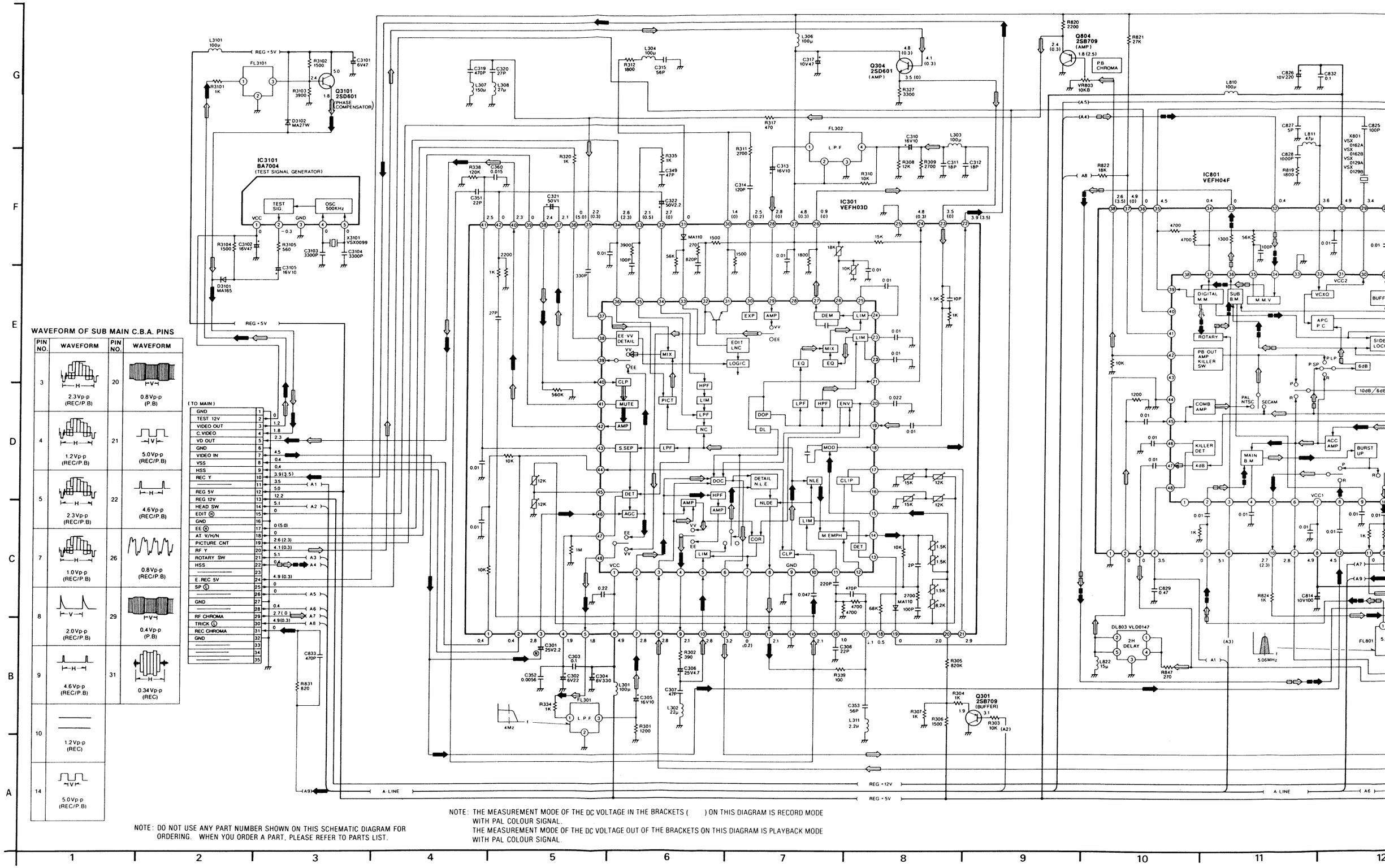
POWER C.B.A.	
Transistor	
Q1102	B-5
Integrated Circuit	
IC1101	B-3
IC1102	B-5
Connector	
P1101	C-5
P1102	B-1

ADDRESS INFORMATION



5. SUB MAIN SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE　MAIN SIGNAL PATH IN PLAYBACK MODE　5.06MHz PHASE ROTATIONAL



WAVEFORM OF SUB MAIN C.B.A. PINS

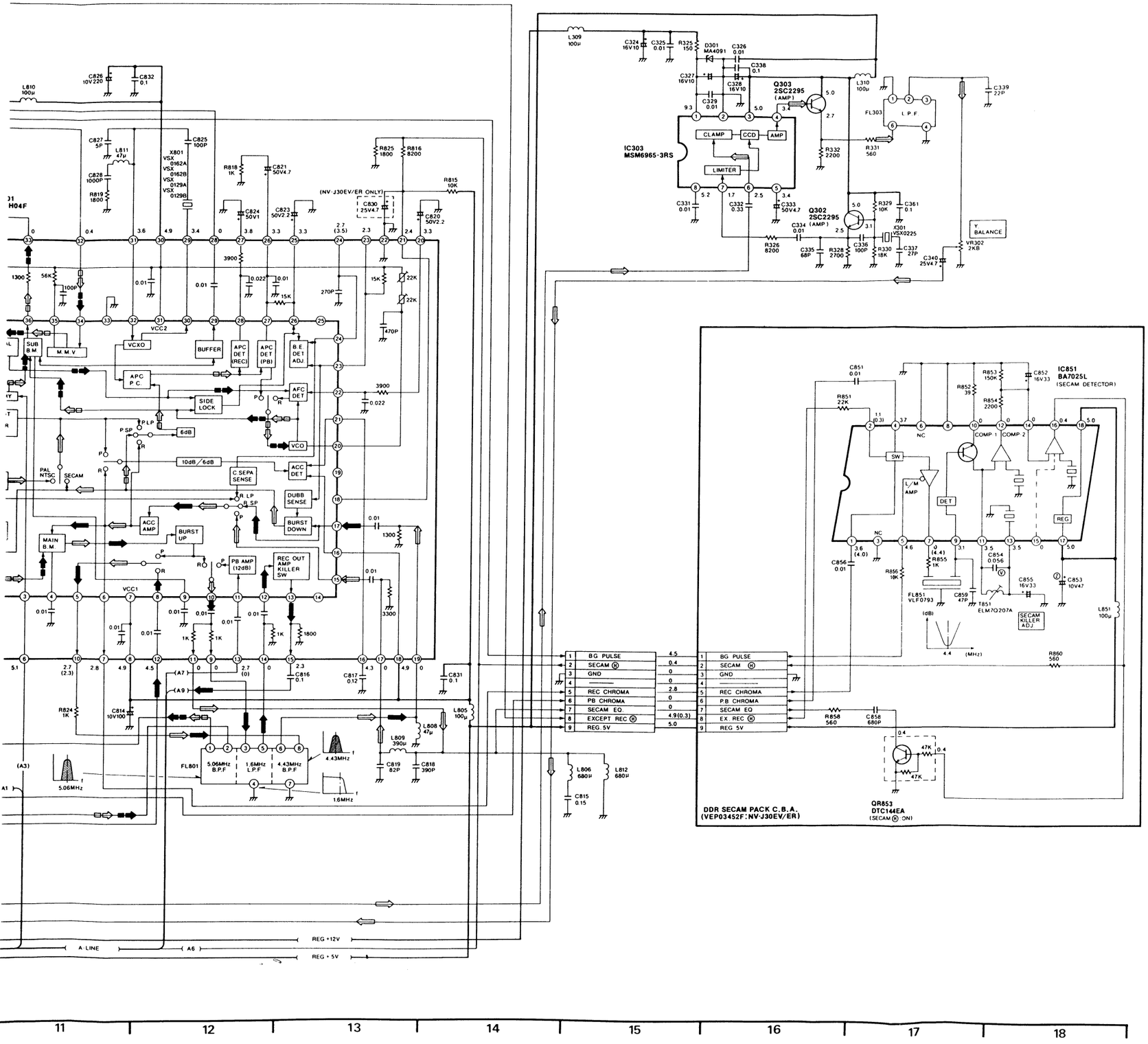
PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
3	2.3Vp-p (REC/P.B)	20	0.8Vp-p (P.B)
4	1.2Vp-p (REC/P.B)	21	5.0Vp-p (REC/P.B)
5	2.3Vp-p (REC/P.B)	22	4.6Vp-p (REC/P.B)
7	1.0Vp-p (REC/P.B)	26	0.8Vp-p (REC/P.B)
8	2.0Vp-p (REC/P.B)	29	0.4Vp-p (P.B)
9	4.6Vp-p (REC/P.B)	31	0.34Vp-p (REC)
10	1.2Vp-p (REC)		
14	5.0Vp-p (REC/P.B)		

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

Back Page: POWER Section

PHASE ROTATIONAL SIGNAL IN REC MODE ⇦□ 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE



IC301 (VEFH03D)

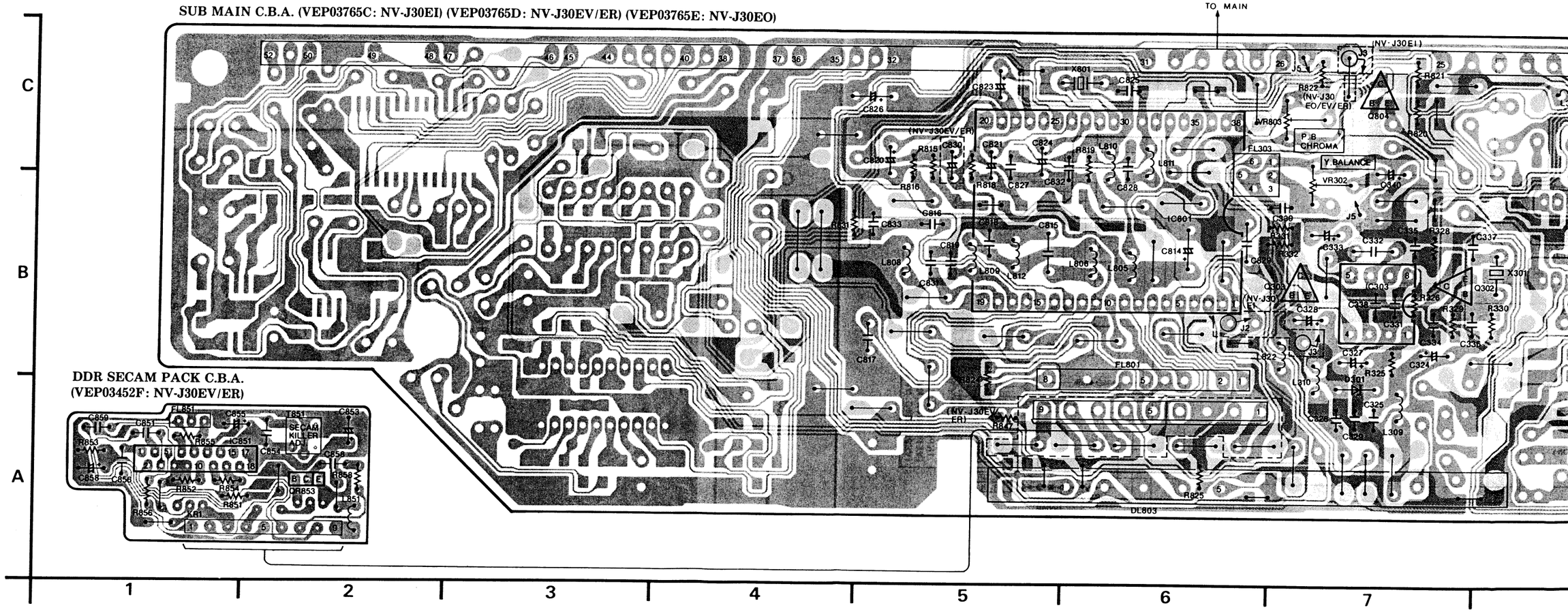
PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
1	2.0Vp-p (REC/P.B)	16	0.7Vp-p (REC) 0.6Vp-p (P.B)
2	4.8Vp-p (REC/P.B)	17	0.9Vp-p (REC/P.B)
3	1.0Vp-p (REC/P.B)	22	1.2Vp-p (REC)
5	0.9Vp-p (REC)	23	0.1Vp-p (P.B)
5	1.2Vp-p (P.B)	26	0.9Vp-p (P.B)
7, 8	0.48Vp-p (REC/P.B)	28	0.4Vp-p (P.B)
9	0.66Vp-p (REC)	30	1.2Vp-p (P.B)
10	0.6Vp-p(REC)	33	0.26Vp-p (P.B)
11	0.3Vp-p (REC/P.B)	35	0.4Vp-p (P.B)
12	0.07Vp-p (REC)	37, 38	0.9Vp-p (REC/P.B)
13	0.9Vp-p (REC/P.B)	40	2.3Vp-p (REC/P.B)
15	0.9Vp-p (REC/P.B)	41	0.5Vp-p (REC) 0.56Vp-p (P.B)

IC801 (VEFH04F)

PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
2	0.16Vp-p (REC) 0.12Vp-p (P.B)	15	0.48Vp-p (REC)
3	1.0Vp-p (REC/P.B)	17	0.44Vp-p (REC) 0.2Vp-p (P.B)
5	0.19Vp-p (REC/P.B)	19	0.28Vp-p (REC/P.B)
6	5.0Vp-p (REC/P.B)	28	0.8Vp-p (REC/P.B)
7	0.6Vp-p (REC) 0.5Vp-p (P.B)	29	1.1Vp-p (REC/P.B)
9	0.36Vp-p (REC) 0.3Vp-p (P.B)	31	0.8Vp-p (REC/P.B)
10	1.1Vp-p (REC)	32	4.8Vp-p (REC/P.B)
10	1.2Vp-p (P.B)	33	1.0Vp-p (REC/P.B)
11	0.4Vp-p (REC) 0.16Vp-p (P.B)	34	4.8Vp-p (REC/P.B)
12	1.0Vp-p (REC/P.B)	35	4.8Vp-p (REC/P.B)
13	0.4Vp-p (P.B)	37	0.3Vp-p (P.B)
14	0.32Vp-p (REC) 0.16Vp-p (P.B)	38	1.0Vp-p (P.B)

6. SUB MAIN C.B.A. (VEP03765C: NV-J30EI) (VEP03765D: NV-J30EV/ER) (VEP03765E: NV-J30EO)

SUB MAIN C.B.A. (VEP03765C: NV-J30EI) (VEP03765D: NV-J30EV/ER) (VEP03765E: NV-J30EO)

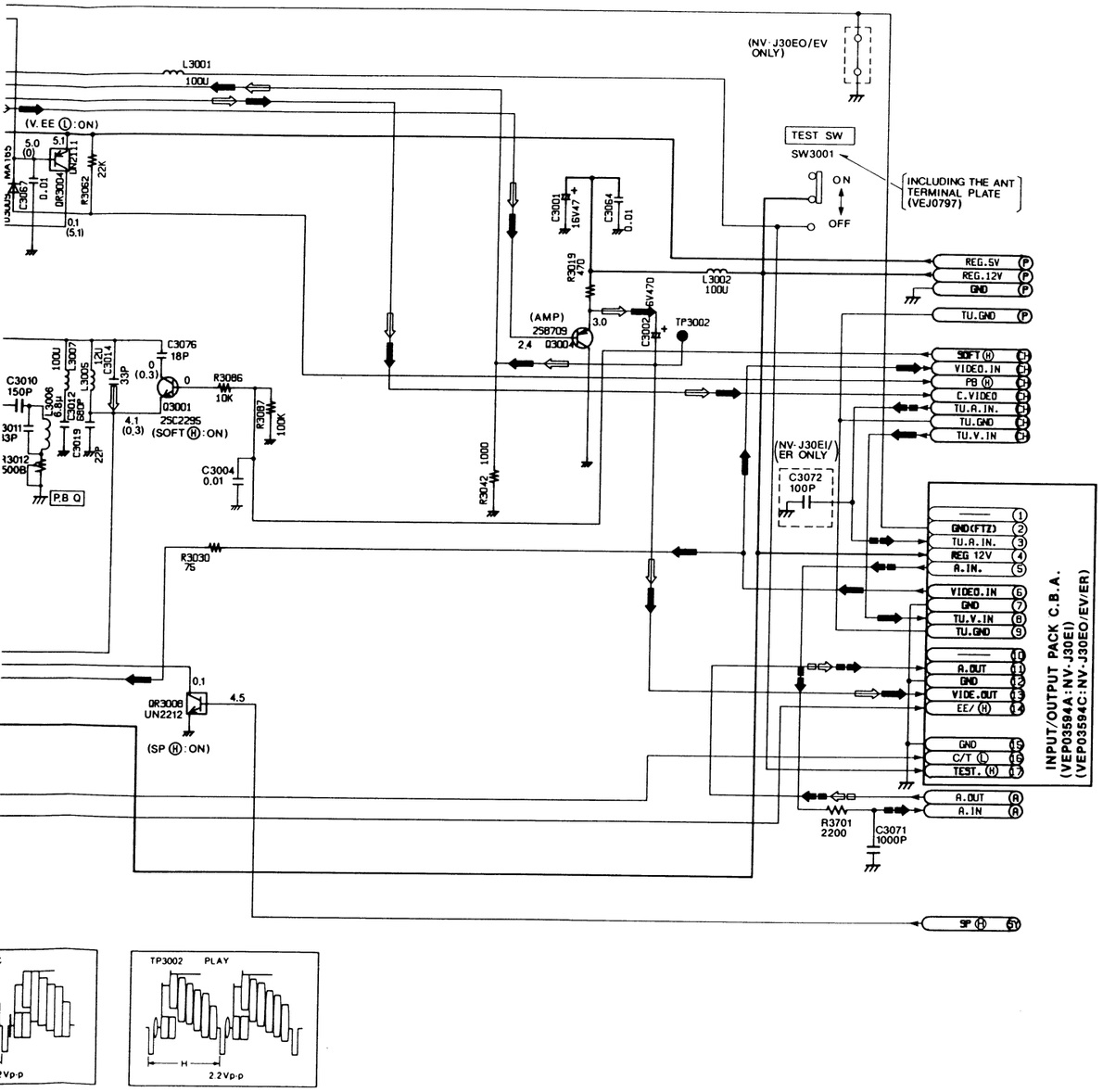


MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PLAYBACK MODE

MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PLAYBACK MODE



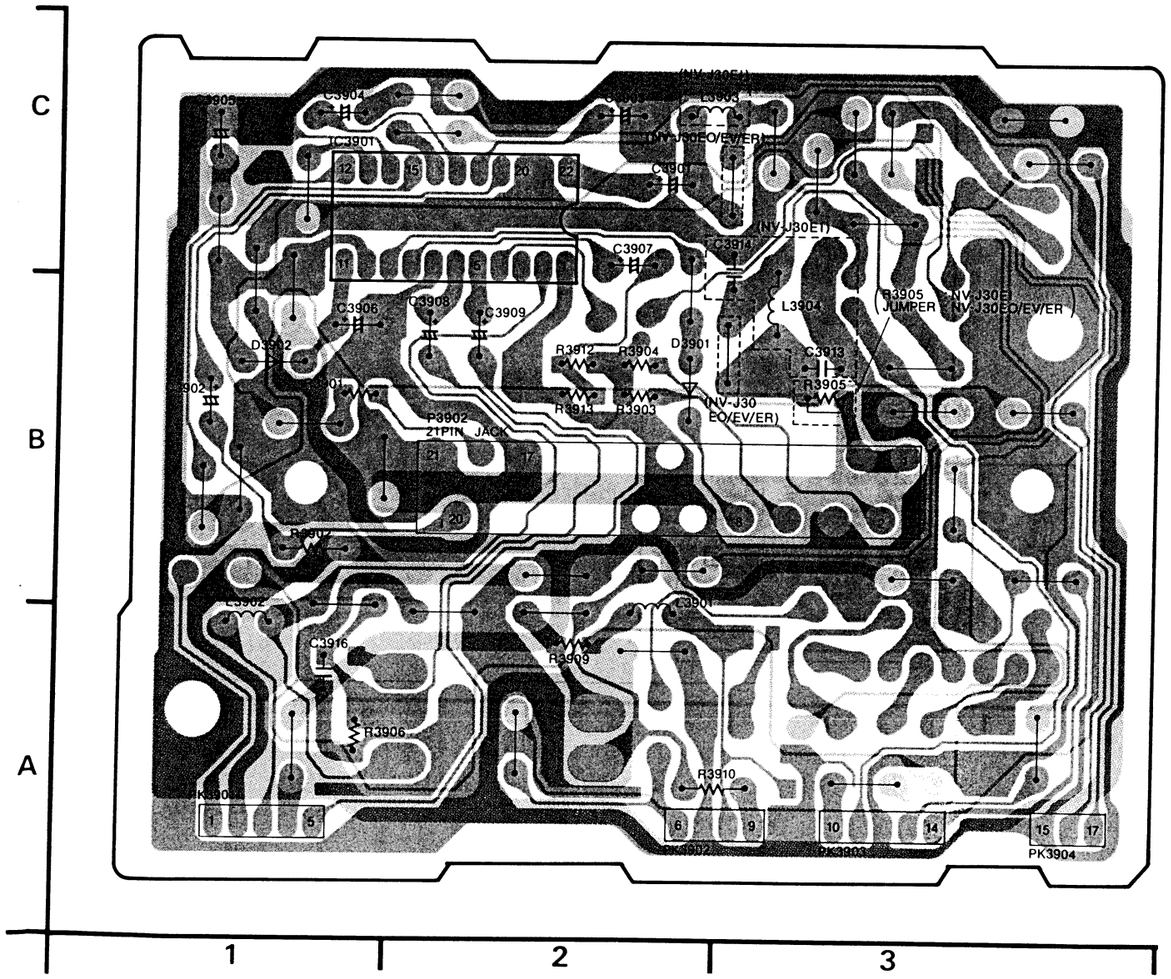
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

8. INPUT/OUTPUT PACK C.B.A. (VEP03594A: NV-J30EI) (VEP03594C: NV-J30EO/EV/ER)

INPUT/OUTPUT PACK C.B.A.	
Integrated Circuit	
IC3901	C-1
Connector	
P3902	B-2
PK3901	A-1
PK3902	A-2
PK3903	A-3
PK3904	A-3

ADDRESS INFORMATION



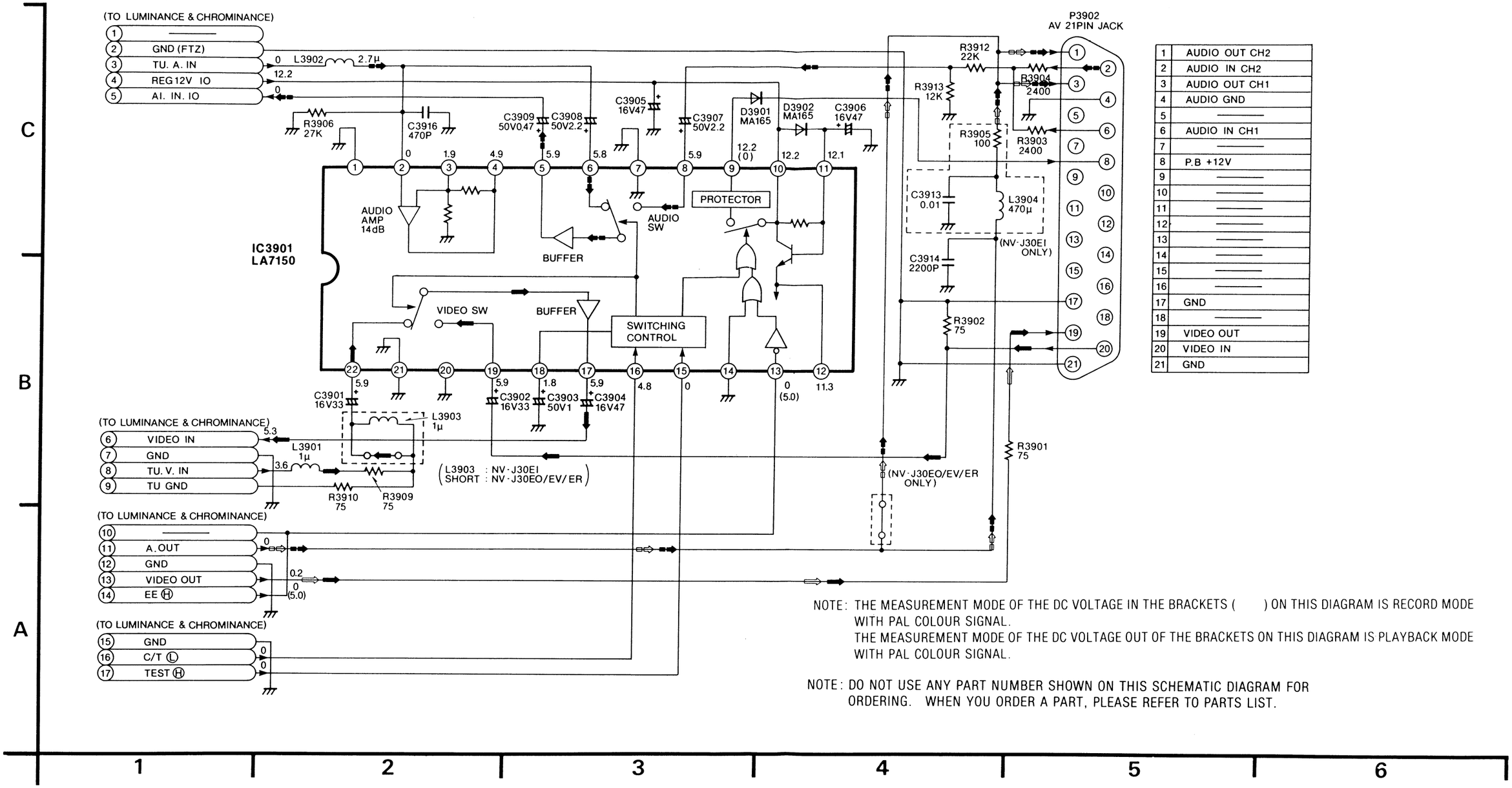
9. INPUT/OUTPUT PACK SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN REC MODE

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

AUDIO MAIN SIGNAL PATH IN REC MODE

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



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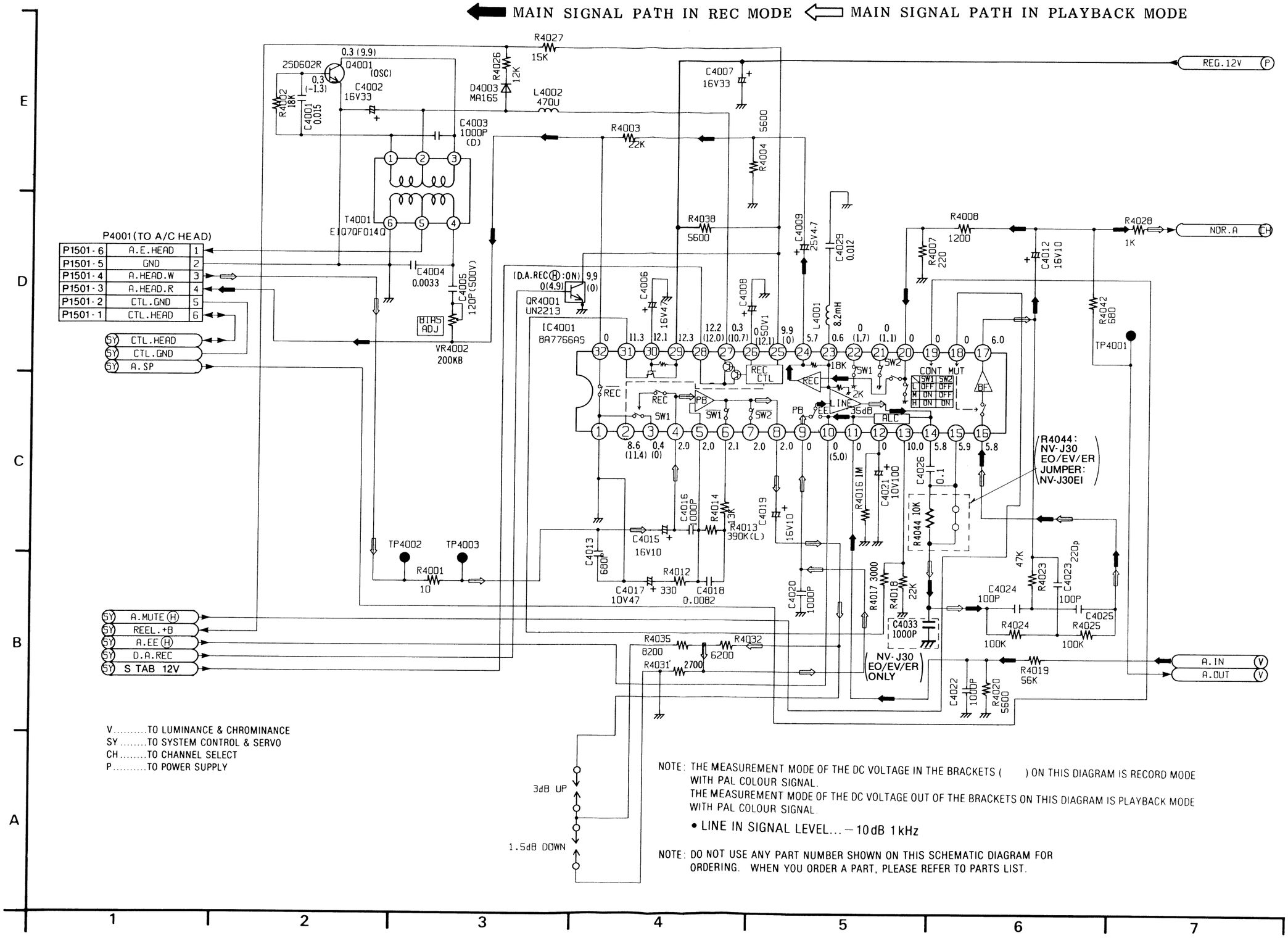
10. AUDIO SCHEMATIC DIAGRAM



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

- LINE IN SIGNAL LEVEL... −10dB 1kHz

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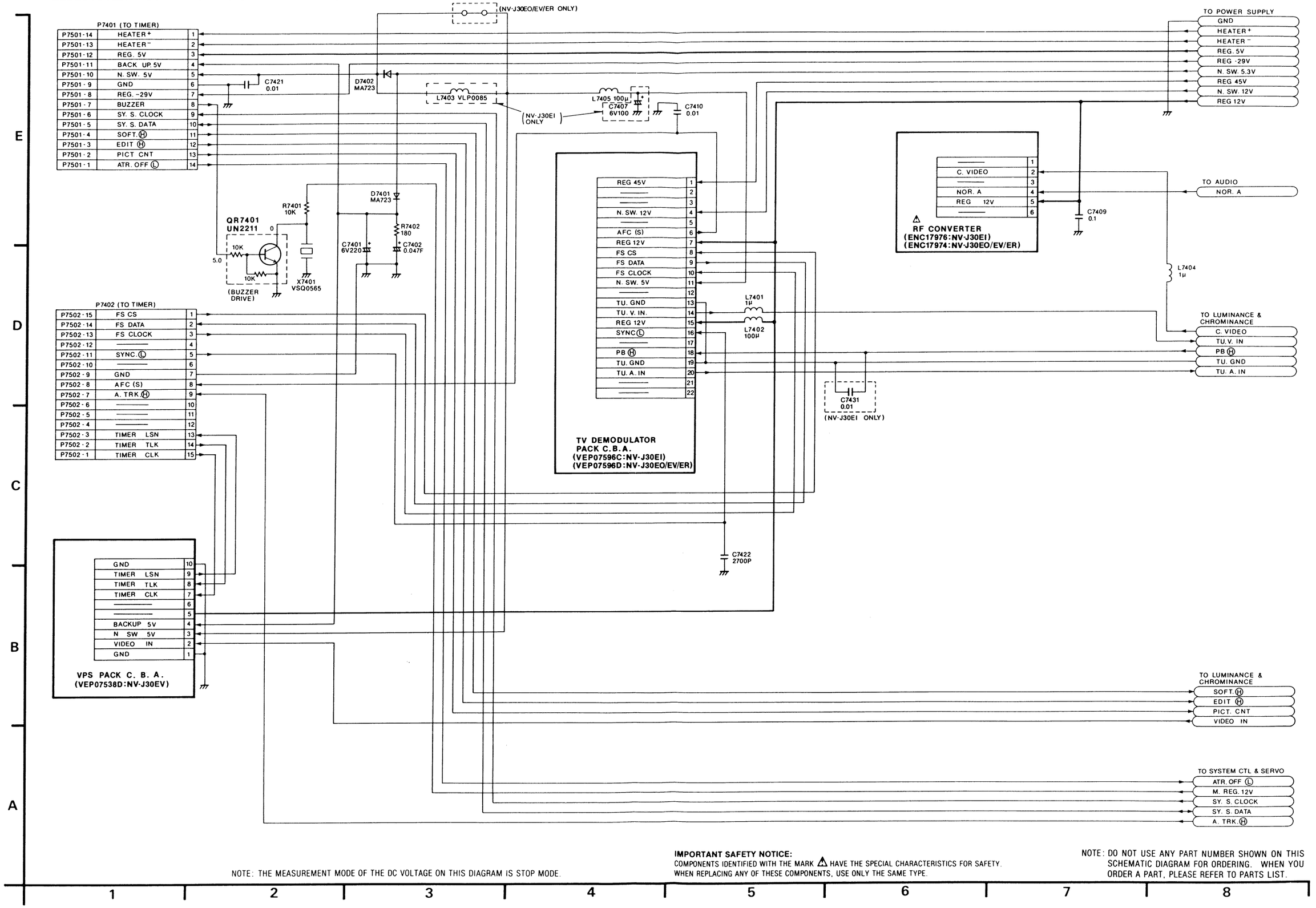
Back Page:
INPUT/OUTPUT PACK Section

11. CHANNEL SELECT SCHEMATIC DIAGRAM



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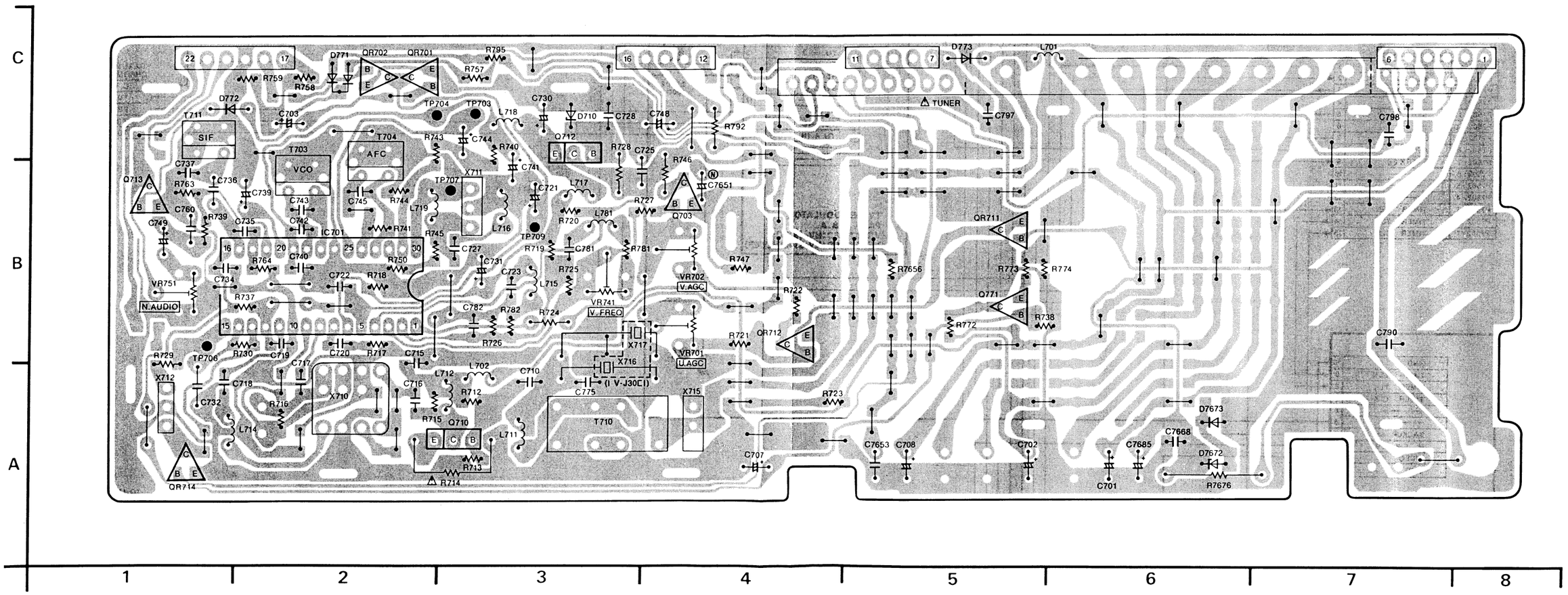
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

12. TV DEMODULATOR C.B.A. (VEP07596C: NV-J30EI) (VEP07596D: NV-J30EO/EV/ER)

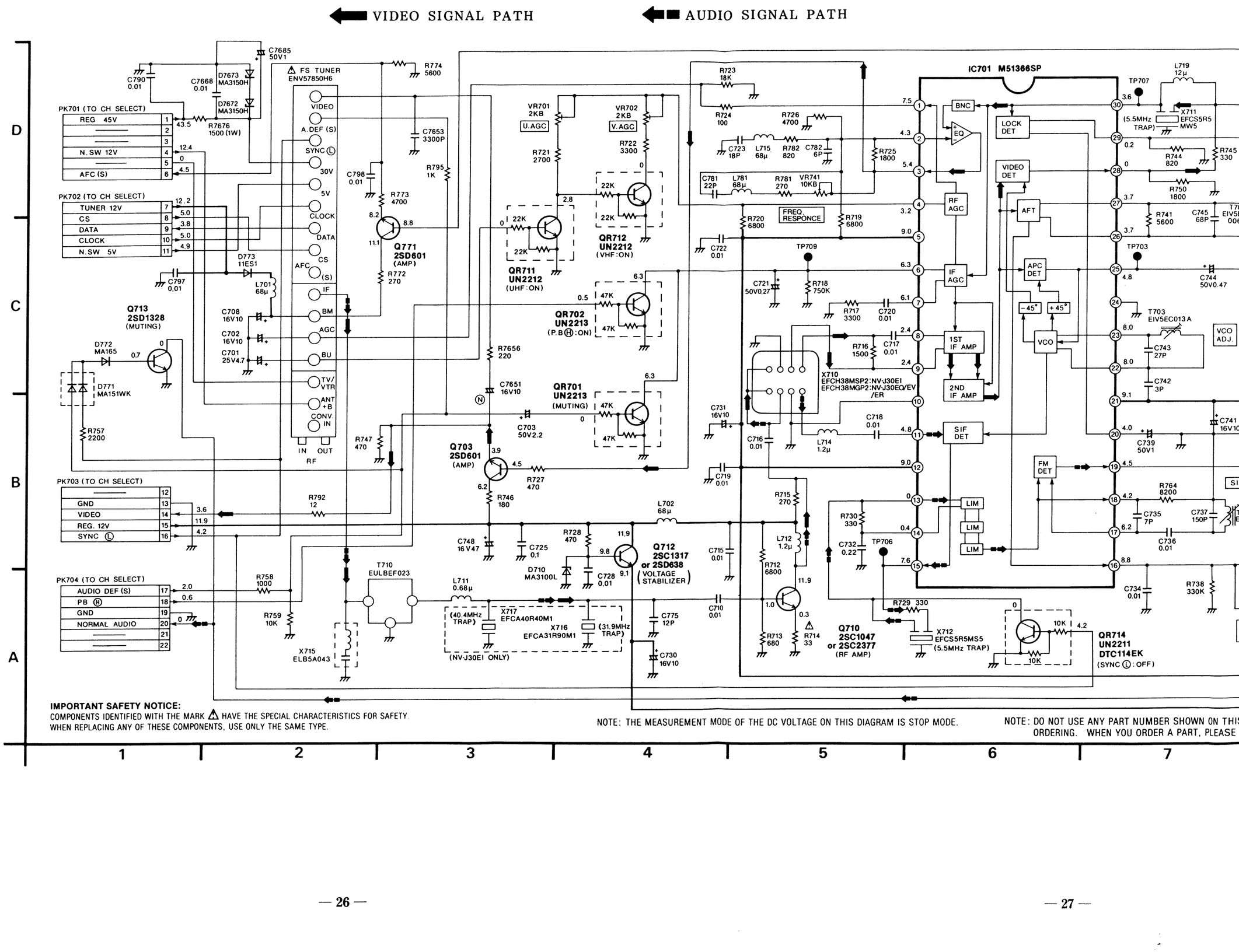
TV DEMODULATOR PACK C.B.A.			
Transistor		**Test Point**	
Q703	B-4	TP703	C-3
Q710	A-3	TP704	C-2
Q712	C-3	TP706	B-1
Q713	B-1	TP707	B-3
Q771	B-5	TP709	B-3
Transistor & Resistor		**Adjustment**	
QR701	C-2	T703	C-2
QR702	C-2	T704	C-2
QR711	B-5	T710	A-3
QR712	B-4	T711	C-1
QR714	A-1	VR701	B-4
Integrated Circuit		VR702	B-4
IC701	B-2	VR741	B-3
		VR751	B-1

ADDRESS INFORMATION



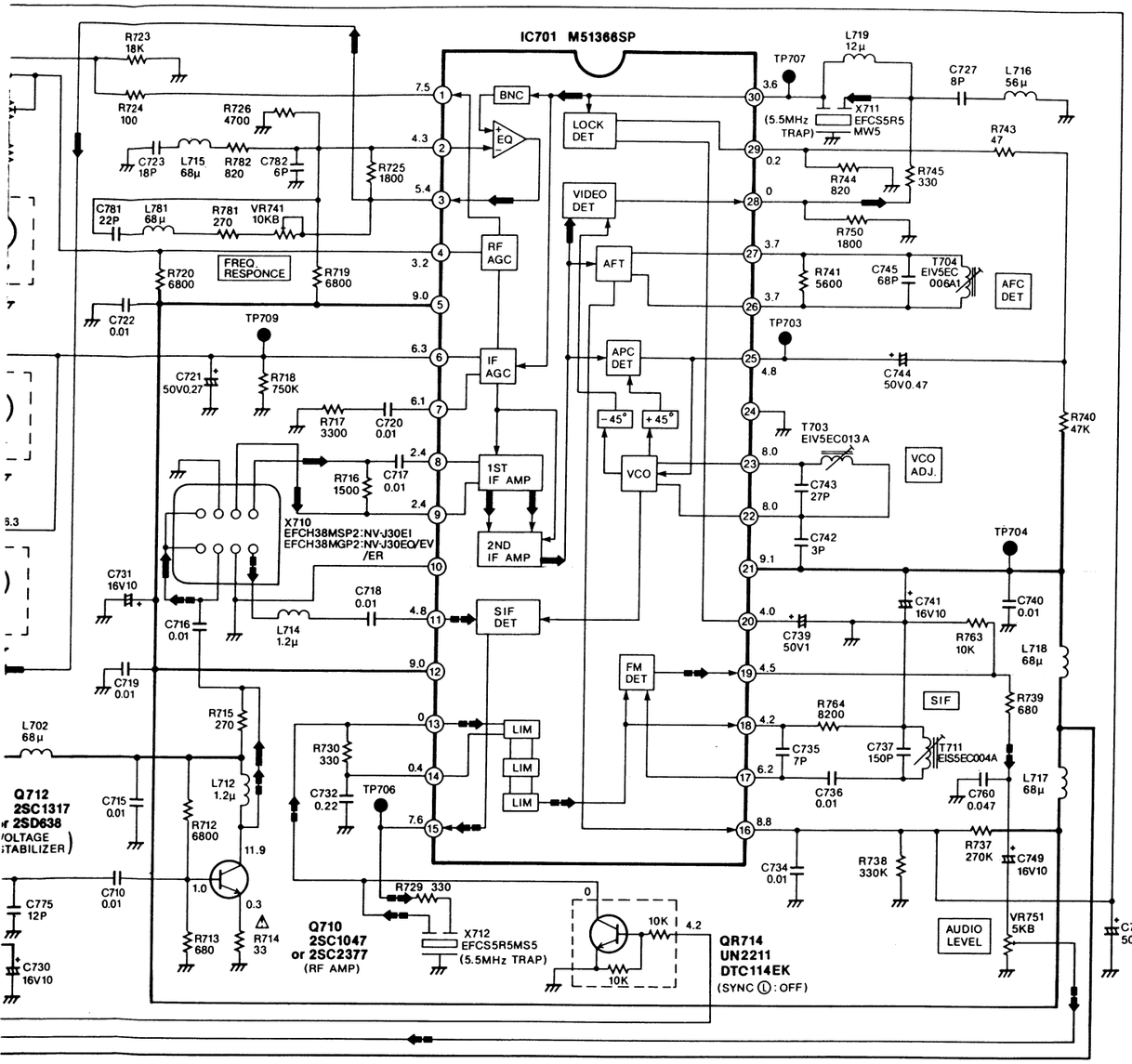
Back Page:
CHANNEL SELECT Section

13. TV DEMODULATOR SCHEMATIC DIAGRAM



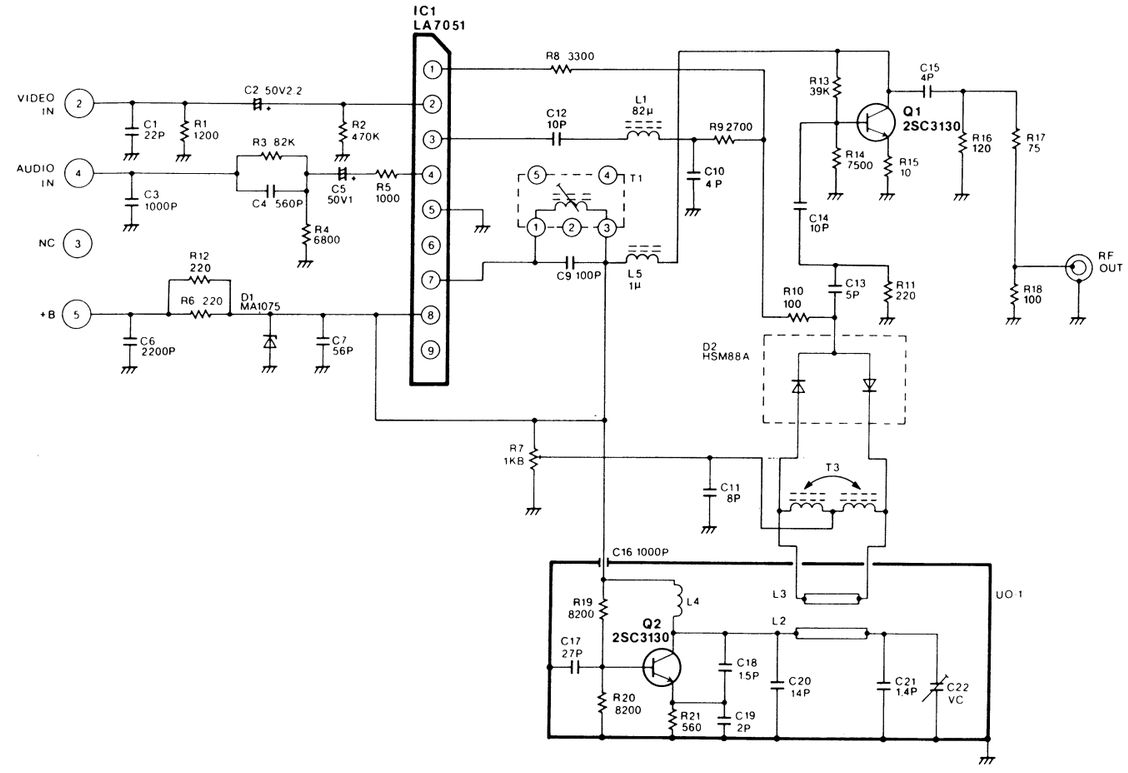
14. RF CONVERTER SCHEMATIC DIAGRAM (ENC17974: NV-J30EO/EV/ER)

AUDIO SIGNAL PATH



MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.



Next Page:
MAIN C.B.A. Section

15. MAIN C.B.A. (VEP03764D: NV-J30EI) (VEP03764E: NV-J30ER) (VEP03764F: NV-J30EV) (VEP03764G: NV-J30EO)

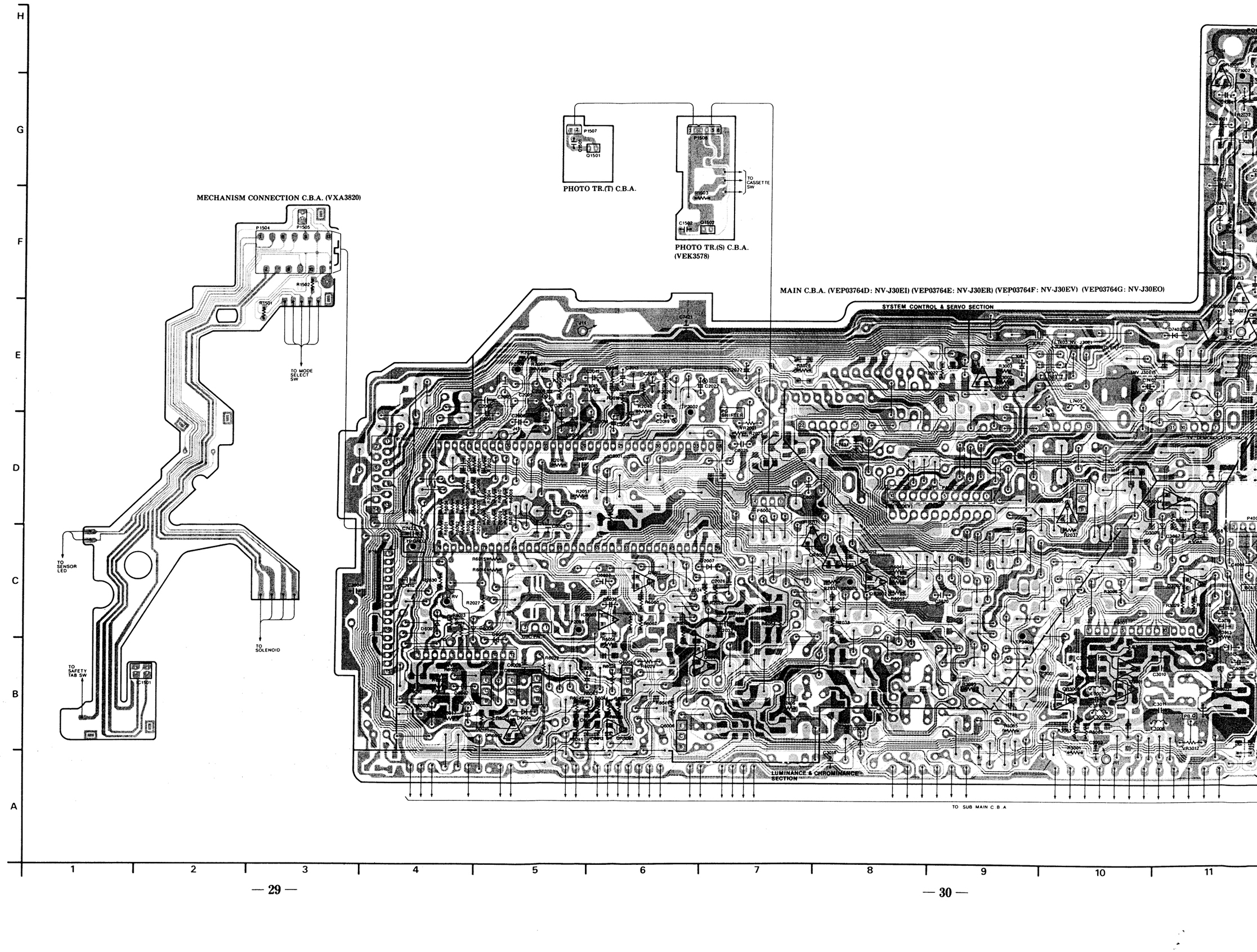
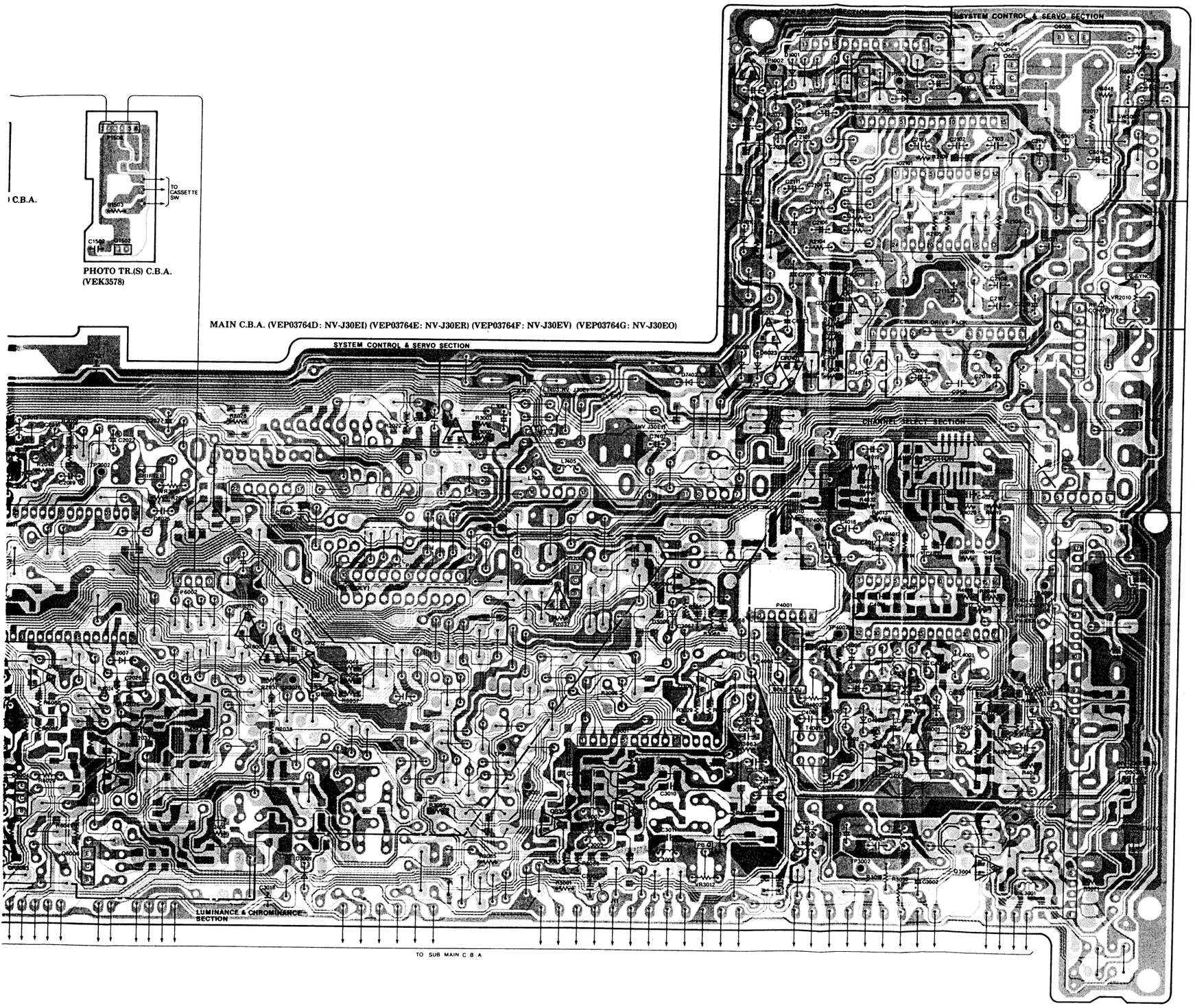


PHOTO TR.(S) C.B.A.
(VEK3578)

MAIN C.B.A. (VEP03764D: NV-J30EI) (VEP03764E: NV-J30ER) (VEP03764F: NV-J30EV) (VEP03764G: NV-J30EO)



SYSTEM CONTROL & SERVO Section	
Transistor	
Q1501	G-6
Q1502	F-7
Q2001	F-12
Q2002	G-12
Q6001	B-5
Q6002	B-5
Q6003	B-5
Q6004	B-6
Q6006	B-6
Q6007	B-7
Q6008	H-13
Q6010	H-13
Q6011	C-6
Transistor & Resistor	
QR2002	C-8
QR2004	D-10
QR2005	D-10
QR6002	B-5
QR6003	B-6
QR6004	B-7
QR6007	C-8
QR6011	D-7
QR6012	C-8
QR6013	F-11
Integrated Circuit	
IC1501	B-2
IC2001	D-6
IC2101	G-12
IC6003	C-6
Test Point	
TP2001	C-9
TP2002	E-6
TP2009	E-5
TP2026	C-8
TP2098	C-5
TPSERV	C-4
TPGND2	C-4
Adjustment	
VR2001	D-7
VR2010	F-14
Connector	
P1504	F-3
P1505	F-3
P1507	G-5
P1508	G-6
P2001	G-12
P6001	B-5
P6002	D-7

ADDRESS INFORMATION

CHANNEL SELECT Section	
Transistor & Resistor	
QR7401	E-11
Connector	
P7401	D-4
P7402	C-4

ADDRESS INFORMATION

LUMINANCE & CHROMINANCE Section	
Transistor	
Q3001	B-10
Q3003	E-9
Q3004	B-13
Q3006	B-10
Q3007	C-11
Transistor & Resistor	
QR3004	D-11
QR3008	B-10
Test Point	
TP3001	B-10
TP3002	B-12
Adjustment	
VR3012	B-11
Connector	
P3001	C-10

ADDRESS INFORMATION

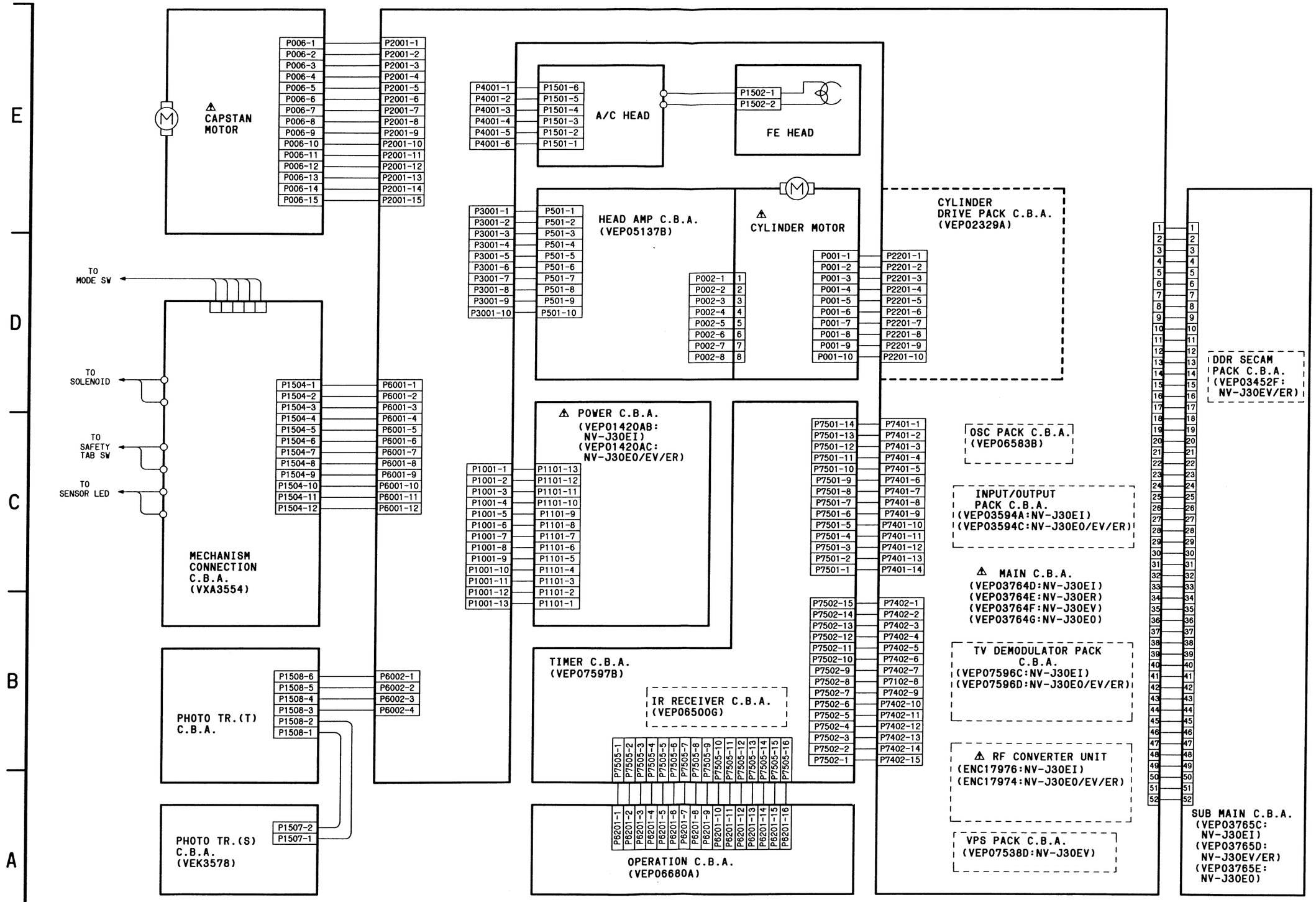
AUDIO Section	
Transistor	
Q4001	B-12
Transistor & Resistor	
QR4001	C-12
Integrated Circuit	
IC4001	D-12
Test Point	
TP4001	D-13
TP4002	C-12
TP4003	D-12
Adjustment	
VR4002	C-12
Connector	
P4001	D-11

ADDRESS INFORMATION

POWER Section	
Transistor & Resistor	
QR1001	H-11
Test Point	
TP1002	H-11
TP1003	G-12
TPGND1	B-13
Connector	
P1001	H-12

ADDRESS INFORMATION

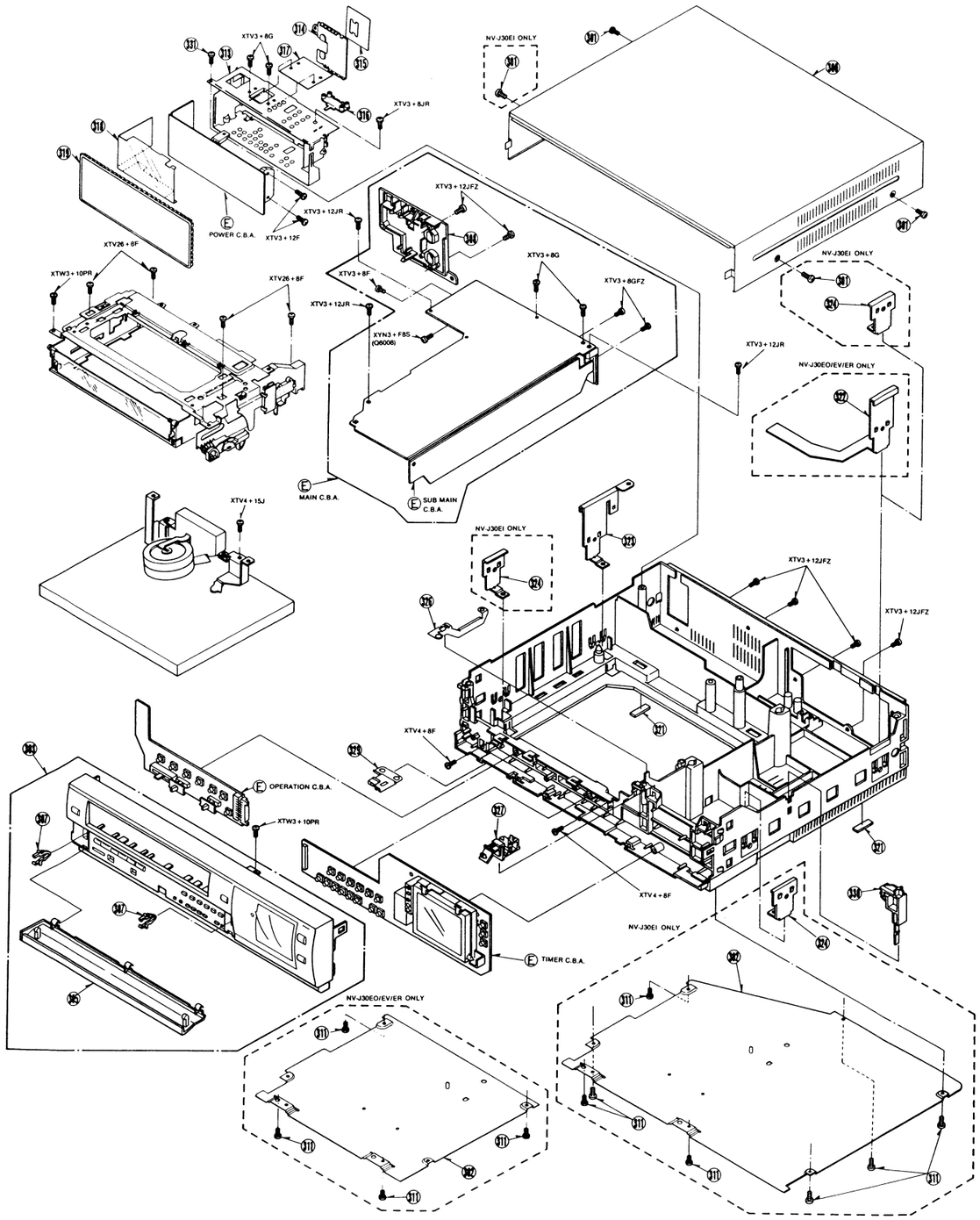
16. INTERCONNECTION SCHEMATIC DIAGRAM



IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

17. EXPLODED VIEWS ❹ CASING PARTS SECTION



Back Page:
INTERCONNECTION Section

18. ELECTRICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.
3.Unless otherwise specified,
All resistors are in OHMS ,K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03764G	MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30EO
					INCLUDING THE
					SUB MAIN C.B.A.
					(VEP03765E),
					INPUT/OUTPUT C.B.A.
					(VEP03594C),
					TV DEMODULATOR C.B.A.
					(VEP07596D),
					CYLINDER DRIVE C.B.A.
					(VEP02329A),
					OSC C.B.A.
					(VEP06583B).
		VEP03764F	MAIN C.B.A.	1	<!> (NLA) NV-J30EV
					INCLUDING THE
					SUB MAIN C.B.A.
					(VEP03765D),
					DDR SECAM PACK C.B.A.
					(VEP03452F),
					INPUT/OUTPUT C.B.A.
					(VEP03594C),
					TV DEMODULATOR C.B.A.
					(VEP07596D),
					CYLINDER DRIVE C.B.A.
					(VEP02329A),
					VPS PACK C.B.A.
					(VEP07538D),
					OSC C.B.A.
					(VEP06583B).
		VEP03764D	MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30EI
					INCLUDING THE
					SUB MAIN C.B.A.
					(VEP03765C),
					INPUT/OUTPUT C.B.A.
					(VEP03594A),
					TV DEMODULATOR C.B.A.
					(VEP07596C),
					CYLINDER DRIVE C.B.A.
					(VEP02329A),
					OSC C.B.A.
					(VEP06583B).
		VEP03764E	MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30ER
					INCLUDING THE
					SUB MAIN C.B.A.
					(VEP03765D),
					DDR SECAM PACK C.B.A.
					(VEP03452F),
					INPUT/OUTPUT C.B.A.
					(VEP03594C),
					TV DEMODULATOR C.B.A.
					(VEP07596D),
					CYLINDER DRIVE C.B.A.
					(VEP02329A),
					OSC C.B.A.
					(VEP06583B).
		VEP03765E	SUB MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J30EO
					INCLUDED IN MAIN
					C.B.A.(VEP03764G).
		VEP03765D	SUB MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J30EV/ER
					INCLUDING THE
					DDR SECAM PACK C.B.A.
					(VEP03452F).
					INCLUDED IN MAIN
					C.B.A.(VEP03764F/E).
		VEP03765C	SUB MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J30EI
					INCLUDED IN MAIN
					C.B.A.(VEP03764D).
		VEP03452F	SECAM PACK C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J30EV/ER
					INCLUDED IN SUB MAIN
					C.B.A.(VEP03765D).
		VEP03594C	INPUT/OUTPUT C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J30EO/EV/ER
					INCLUDED IN MAIN
					C.B.A.(VEP03764G/F/E)
		VEP03594A	INPUT/OUTPUT C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J30EI
					INCLUDED IN MAIN
					C.B.A.(VEP03764D).
		VEP07596D	TV DEMODULATOR C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA)
					NV-J30EO/EV/ER
					INCLUDED IN MAIN
					C.B.A.(VEP03764G/F/E)
		VEP07596C	TV DEMODULATOR C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30EI
					INCLUDED IN MAIN
					C.B.A.(VEP03764D).
		VEP02329A	CYLINDER DRIVE C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
					INCLUDED IN MAIN
					C.B.A.
					(VEP03764G/F/E/D).
		VEP07538D	VPS C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J30EV
					INCLUDED IN MAIN
					C.B.A.(VEP03764F).
		VEP06583B	OSC C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
					INCLUDED IN MAIN
					C.B.A.
					(VEP03764G/F/E/D).
		VEP05137B	HEAD AMP C.B.A.	1	(NLA)
		VEP07597B	TIMER C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
					INCLUDING THE
					IR RECEIVER C.B.A.
					(VEP06500G).
		VEP06500G	IR RECEIVER C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
					INCLUDED IN TIMER
					C.B.A.
		VEP06680A	OPERATION C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
		VEP01420AC	POWER C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
					NV-J30EO/EV/ER
		VEP01420AB	POWER C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30EI
		VEP66125E	REMOTE CONTROL UNIT C.B.A.	1	(NLA)
		VXA3820	MECHANISM CONNECTION C.B.A.	1	(NLA)
		VEK3578	SUPPLY PHOTO Tr. C.B.A.	1	(NLA)
		- - - -	TAKE-UP PHOTO Tr. C.B.A.	1	THIS PART IS INCLUDED
					IN SLIDE SW UNIT
					(VXA3498).
		ENC17974	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> NV-J30EO/EV/ER
		ENC17976	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> NV-J30EI
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!>
	■	VEP03764G	MAIN C.B.A.		[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30EO
			CAPACITORS		
C301		ECEA1EKN2R2	E.CAPACITOR 25V 2.2U	1	
C302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C303		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C304		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C306		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C307		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C308		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C310		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C311,12		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C313		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C314		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C315		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C317		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C319		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C321		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C322		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C324		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C325,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C327,28		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C329		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C332		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C333		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C335		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C336		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C337		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C338		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C339		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C340		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C349		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C351		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C352		ECQB1H562JH	P.CAPACITOR 50V 5600P	1	
C353		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C360		ECUM1H153ZFN	C.CAPACITOR CH 50V 0.015U	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224BO	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUN1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUX1H680JCN	C.CAPACITOR CH 50V 68P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C797,98		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C814		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C815		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C816		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C817		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	1	
C818		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C819		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C820		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C821		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C823		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C824		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C825		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C826		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C827		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C828		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C829		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C831,32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C833		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C1001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1003		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C1004		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2001		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2002		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003		ECQB1H472JZ	P.CAPACITOR 50V 4700P	1	
C2004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECQV1H394JZ	P.CAPACITOR 50V 0.39U	1	
C2006		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2007		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2009		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2010		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2011		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2012		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2013		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2014		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2015		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2016		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C2017		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2018		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2019		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2020		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2024		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2025		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2026		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2027		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2028		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2030		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2031		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2034		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2050		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2101-03		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2104-06		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2107,08		VCYD1E333KR	S.CAPACITOR 25V 0.033U	2	
C2111		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2115		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2116		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2118		VCYD1E333KR	S.CAPACITOR 25V 0.033U	1	
C2121		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2201		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2203		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2204-06		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C2207		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208-10		ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	3	
C2211		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2212		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2213		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3011		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3014		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3015		VCYD1E103KR	S.CAPACITOR 25V 0.01U	1	
C3016		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3019		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3053		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3064		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3070		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3071		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3076		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3081		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3101		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3901,02		ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06		ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C3914		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3916		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4001		ECQB1H153JZ	P.CAPACITOR 50V 0.015U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECKF1H1022F	C.CAPACITOR 50V 1000P	1	
C4004		ECQP1332JZ	P.CAPACITOR 100V 3300P	1	
C4005		ECCD2H121K	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M47	E.CAPACITOR 10V 47U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4019		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023		ECUN1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4029		ECQB1H123JZ	P.CAPACITOR 50V 0.012U	1	
C4033		ECQB1H102JZ	F.CAPACITOR 50V 1000P	1	
C6001,02		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C6005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6006		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6007		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6010		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C6011,12		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C6013		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6014		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6015		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6023		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6103		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6104		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C6105		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6106		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C7401		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C7402		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C7409		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7410		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7421		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7422		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
D301		MA4091M	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		11ES1	DIODE	1	
D1001,02		MA165	DIODE	2	
D2003,04		MA165	DIODE	2	
D2007,08		MA165	DIODE	2	
D3001		MA165	DIODE	1	
D3009		MA165	DIODE	1	
D3101		MA165	DIODE	1	
D3102		MA29WA	DIODE	1	
D3901,02		MA165	DIODE	2	
D4003		MA165	DIODE	1	
D6001		MA4051	DIODE	1	
D6002-04		MA165	DIODE	3	
D6005		ERA15-01	DIODE	1	
D6006		MA165	DIODE	1	
D6008		MA723	DIODE	1	
D6009		MA4150L	DIODE	1	
D6023		MA165	DIODE	1	
D7401,02		MA723	DIODE	2	
D7672,73		MA3150H	DIODE	2	
DL803		EFDBR124A53T	DELAY	1	
F6001		VSF0077	FUSE	1	
FL301		ELB4M022	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0727	FILTER	1	
FL801		ELB4W002	FILTER	1	
FL3101		VLF0413	FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC301	VEFH03D	HIC	1	
IC303	MSM6965-3RS	IC	1	
IC701	M51366SP	IC	1	
IC801	VEFH04F	P.C.BOARD	1	
IC2001	MN6740VCTK	IC	1	
IC2101	BA6435S	IC	1	
IC2201	AN3814K	IC	1	
IC3101	BA7004	IC	1	
IC3901	LA7150	IC	1	
IC4001	BA7766AS	IC	1	
IC6003	MN12821R	IC	1	
J701	VJR0231	PACK PIN	1	
J702,03	VJR0406	PACK PIN	2	
J704	VJR0231	PACK PIN	1	
L301	VLQEL05F101K	COIL 100UH	1	
L302	VLQEL05F220K	COIL 22UH	1	
L303,04	VLQEL05F101K	COIL 100UH	2	
L306	VLQEL05F101K	COIL 100UH	1	
L307	VLQEL05F151K	COIL 150UH	1	
L308	VLQEL05F270K	COIL 27UH	1	
L309,10	VLQEL05F101K	COIL 100UH	2	
L311	VLQEL05F2R2K	COIL 2.2UH	1	
L701,02	ELESP680KA	COIL 68UH	2	
L711	ELQTR68XB	COIL 0.68UH	1	
L712	VLQ0305J1R2	COIL 1.2UH	1	
L714	VLQ0305J1R2	COIL 1.2UH	1	
L715	VLQ0213K680	COIL 68UH	1	
L716	ELESP560KA	COIL 56H	1	
L717,18	ELESP680KA	COIL 68UH	2	
L719	ELESP120KA	COIL 12UH	1	
L781	ELESP680KA	COIL 68UH	1	
L805	VLQEL05F101K	COIL 100UH	1	
L806	VLQEL05F681K	COIL 680UH	1	
L808	VLQEL05F470K	COIL 47UH	1	
L809	VLQEL05F331K	COIL 330UH	1	
L810	VLQEL05F101K	COIL 100UH	1	
L811	VLQEL05F470K	COIL 47UH	1	
L812	VLQEL05F681K	COIL 680UH	1	
L822	VLQ0213K150T	COIL 15H	1	
L2002	VLP0074	COIL	1	
L2003	ELESP101KA	COIL	1	
L2101	ELESP102KA	COIL 1000UH	1	
L3001-03	ELESP101KA	COIL	3	
L3005	ELESP120KA	COIL 12UH	1	
L3006	ELESP6R8KA	COIL	1	
L3007	ELESP101KA	COIL	1	
L3008	ELESP3R3KA	COIL	1	
L3101	VLQEL05F101K	COIL 100UH	1	
L3901	VLQEL05F1R0K	COIL 1UH	1	
L3902	VLQEL05F2R7K	COIL 2.7UH	1	
L4001	VLQEL07F822J	COIL 8200UH	1	
L4002	ELESP471KA	COIL	1	
L6101	VLQEL05F101K	COIL 100UH	1	
L7401	ELESP1R0KA	COIL 1UH	1	
L7402	ELESP101KA	COIL	1	
L7404	ELESP1R0KA	COIL 1UH	1	
L7405	ELESP101KA	COIL	1	
P001	VJS1237T	CONNECTOR (FEMALE)	1	
P006	VJS1902	CONNECTOR (FEMALE)	1	
P501	VJS1743T	CONNECTOR (FEMALE)	1	
P1001	VJS2571A013	CONNECTOR (FEMALE)	1	
P2001	VJP1932T	CONNECTOR (MALE)	1	
P2001	VJS1932T	CONNECTOR (FEMALE)	1	
P2201	VJP1237T	CONNECTOR(MALE) 10P	1	
P2201	VJS1237T	CONNECTOR (FEMALE)	1	
P3001	VJP1237T	CONNECTOR(MALE) 10P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P3001	VJS1743T	CONNECTOR (FEMALE)	1	
P3902	VJS1469	CONNECTOR(FEMALE)	1	
P4001	VJP2622	CONNECTOR	1	
P6001	VJS2571A012	CONNECTOR (FEMALE)	1	
P6002	VJS2571A004	CONNECTOR (FEMALE)	1	
P7401	VJS1662	CONNECTOR (FEMALE)	1	
P7402	VJS2571A015	CONNECTOR (FEMALE)	1	
PK2201	VJR0452	PACK PIN	1	
PK2202	VJR0348	PACK PIN	1	
PK3901	VJR0348	PACK PIN	1	
PK3902	VJR0523	PACK PIN	1	
PK3903	VJR0348	PACK PIN	1	
PK3904	VJR0416	PACK PIN	1	
PK6101	VJR0277	PACK PIN	1	
Q301	MSB709	TRANSISTOR	1	(Q,R,S)
Q302	MSC2295	TRANSISTOR	1	(B,C)
Q303	MSC2295	TRANSISTOR	1	(B,C)
Q304	MSD601	TRANSISTOR	1	(Q,R,S)
Q703	2SD601	TRANSISTOR	1	(S,T)
Q710	2SC2377	TRANSISTOR	1	(C,D)
Q712	2SD638	TRANSISTOR	1	
Q713	2SD1328	TRANSISTOR	1	(S)
Q771	2SD601	TRANSISTOR CHIP	1	
Q804	MSB709	TRANSISTOR	1	(Q,R,S)
Q2001	MSD601	TRANSISTOR	1	(Q,R,S)
Q2002	2SD1996	TRANSISTOR	1	(S)
Q3001	MSC2295	TRANSISTOR	1	
Q3003	MSD601	TRANSISTOR	1	
Q3004	MSB709	TRANSISTOR	1	(Q,R,S)
Q3006	MSC2295	TRANSISTOR	1	
Q3007	MSB709	TRANSISTOR	1	(Q,R,S)
Q3101	MSD601	TRANSISTOR	1	
Q4001	MSD602	TRANSISTOR	1	(R)
Q6001	2SD893	TRANSISTOR	1	
Q6002,03	2SD1994	TRANSISTOR	2	(S)
Q6004	2SD1992	TRANSISTOR	1	
Q6006	2SB1321	TRANSISTOR	1	
Q6007	MSB710	TRANSISTOR	1	(R,S)
Q6008	2SD1273	TRANSISTOR	1	(P)
Q6010	2SD1991A	TRANSISTOR	1	
Q6011	MSB709	TRANSISTOR	1	
Q6101	2SC2206	TRANSISTOR	1	(B,C)
QR701	MRN1404	TRANSISTOR-RESISTOR	1	
QR702	MRN1404	TRANSISTOR-RESISTOR	1	
QR711,12	MRN1403	TRANSISTOR-RESISTOR	2	
QR714	MRN1402	TRANSISTOR-RESISTOR	1	
QR1001	MRN1404	TRANSISTOR-RESISTOR	1	
QR2002	DTC363EK	COMBI.TR-R	1	
QR2004	2SD1676	TRANSISTOR-RESISTOR	1	
QR2005	MRN1404	TRANSISTOR-RESISTOR	1	
QR3004	MRN2402	TRANSISTOR-RESISTOR	1	
QR3008	MRN1404	TRANSISTOR-RESISTOR	1	
QR4001	MRN1404	TRANSISTOR-RESISTOR	1	
QR6002	UN2119	TRANSISTOR-RESISTOR	1	
QR6003	MRN2404	TRANSISTOR-RESISTOR	1	
QR6004	MRN1404	TRANSISTOR-RESISTOR	1	
QR6007	MRN1403	TRANSISTOR-RESISTOR	1	
QR6011,12	MRN1403	TRANSISTOR-RESISTOR	2	
QR6013	MRN2404	TRANSISTOR-RESISTOR	1	
QR7401	MRN1402	TRANSISTOR-RESISTOR	1	
		RESISTORS		
R301	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R302	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R303		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R304		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R306		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R307		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R308		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R309		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R311		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R312		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R317		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R320		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R325		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R326		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R327		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R328		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R329		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R330		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R331		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R332		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R334,35		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R338		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R339		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 180K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R758		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R759		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R815		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R816		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R818		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R819		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R820		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R821		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R822		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R824		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R825		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R831		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R847		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R2001,02		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2004,05		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2006		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R2007		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2010		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2011		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2012		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2014		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2015,16		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2017		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2018		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2019		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R2021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2022		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2023		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2024		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2025		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2026		ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2027		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2028		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2030		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2031		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2032		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R2034		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2037		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2038		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2040		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2101-03		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2104		ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2105		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2106		ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	
R2107		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2108		ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2109		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2201		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2202-04		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2205		ERX12SJR68E	M.RESISTOR 1/2W 0.68	1	
R2405		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3001		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3002		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3003		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3019		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3022,23		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3029		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3030		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3042		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3062		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3063		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3071		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3085		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R3086		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3087,88		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R3094		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R3095		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3096		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3101		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3901		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3902		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04		ERJ6GMYJ242	M.RESISTOR CH1/10W 2.4K	2	
R3905		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R3906		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3908		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3909		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3910		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3912		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3913		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3916		ERDS2TO	C.RESISTOR 1/4W 0	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4002		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4003		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4008		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4020		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4032		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4035		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4038		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R4042		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4049		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001-03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	3	
R6004,05		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6006		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6007		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6008		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6009		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6010		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6011		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6012		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6013		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6014		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6015		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6017		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6018		ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6019		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6021		ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6022		ERG3SJ220	M.RESISTOR 3W 22	1	
R6023		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6024		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6025		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6026		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6029		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6042,43		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6044,45		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6047		ERDS1TJ332	C.RESISTOR 1/2W 3.3K	1	
R6048		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6049		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6053		ERG2SJ471U	M.RESISTOR 2W 470	1	
R6054		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6055		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6056		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6057		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6059		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6060		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6062		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R6101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7401		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7402		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T711		EIS5EC004A	TRANSFORMER	1	
T4001		EIQ7QF014Q	TRANSFORMER	1	
VR302		EVN4YCA00B23	V.RESISTOR 2K	1	
VR701,02		EVN4YCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR803		EVNDRAA00B14	V.RESISTOR 10K	1	
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2010		EVND1AA00B25	V.RESISTOR 200K	1	
VR3012		EVNDRAA00B52	V.RESISTOR 500	1	
VR4002		EVNDRAA00B25	V.RESISTOR 200K	1	
X301		VSX0225	CRYSTAL OSCILLATOR	1	
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		EFCS5R5MW5	FILTER	1	
X712		EFCS5R5MS5	FILTER	1	
X715		EL85A043	FILTER	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3101		VSX0099	CRYSTAL OSCILLATOR	1	
X6101		VSX0383	CRYSTAL OSCILLATOR	1	
X7401		VSQ0565	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK FIX SPRING	1	
		VSC2734	HEAT SINK	1	
		VMP2631	FUSE FIX ANGLE	1	
		VSC1068	HEAT SINK	1	
		VMA6768	EARTH ANGLE	1	
		ENC17974	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!>
		VEJ0797	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
		VMZ1352	HEAT SINK COVER	1	
		VJF0379	CLAMP	1	
		VJF0858	CLAMP	1	
		VMC0462	EARTH SPRING	1	[FOR SUB MAIN]
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!> [FOR TV DEMODU.]
		VSC2713	SHIELD (MAIN)	1	[FOR TV DEMODU.]
		VSC2712	SHIELD (TOP)	1	[FOR TV DEMODU.]
		VSC2714	SHIELD (BOTTOM)	1	[FOR TV DEMODU.]
		VEJ0779	REAR JACK	1	[SUPPLIED FROM M.B.V]
		VWJ14FN140SS	FLEXIBLE CABLE(4PIN)	1	(P6002-P1508)
		VWJ14HW140MM	FLEXIBLE CABLE(14PIN)	1	(P7401-P7501)
		VWJ0374	FLEXIBLE CABLE(15PIN)	1	(P7402-P7502)
	■	VEP03764F	MAIN C.B.A.		<!> (NLA) NV-J30EV
			CAPACITORS		
C301		ECEA1EKN2R2	E.CAPACITOR 25V 2.2U	1	
C302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C303		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C304		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C306		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C307		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C308		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C310		ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C311,12	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C313	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C314	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C315	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C317	ECEA1AK470	E.CAPACITOR 10V 47U	1	
C319	ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C320	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C321	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C322	ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C324	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C325,26	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C327,28	ECEA1CK100	E.CAPACITOR 16V 10U	2	
C329	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C332	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C333	ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C334	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C335	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C336	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C337	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C338	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C339	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C340	ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C349	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C351	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C352	ECQB1H562JH	P.CAPACITOR 50V 5600P	1	
C353	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C360	ECUM1H153ZFN	C.CAPACITOR CH 50V 0.015U	1	
C701	ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703	ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707	ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721	ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727	ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732	ECQV1H224BO	P.CAPACITOR 50V 0.22U	1	
C734	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736	ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742	ECUN1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743	ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744	ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745	ECUX1H680JCN	C.CAPACITOR CH 50V 68P	1	
C748	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760	ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C775	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782	ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C797,98	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C814	ECEA1AK101	E.CAPACITOR 10V 100U	1	
C815	ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C816	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C817	ECQV1H124JZ	P.CAPACITOR 50V 0.12U	1	
C818	ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C819	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C820	ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C821	ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C823	ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C824	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C825	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C826	ECEA1AU221	E.CAPACITOR 10V 220U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C827	ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C828	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C829	ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C830	ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C831,32	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C833	ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C851	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C852	ECEA1CK330	E.CAPACITOR 16V 33U	1	
C853	ECEA10247	E.CAPACITOR 10V 47U	1	
C854	ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C855	ECEA1CK330	E.CAPACITOR 16V 33U	1	
C856	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C858	ECKF1H681KB	C.CAPACITOR 50V 680P	1	
C859	ECCF1H470JC	C.CAPACITOR 50V 47P	1	
C1001	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1003	ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C1004	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2001	ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2002	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003	ECQB1H472JZ	P.CAPACITOR 50V 4700P	1	
C2004	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2005	ECQV1H394JZ	P.CAPACITOR 50V 0.39U	1	
C2006	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2007	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008	ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2009	ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2010	ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2011	ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2012	VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2013	ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2014	ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2015	ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2016	ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C2017	ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2018	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2019	ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2020	VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2022	ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2024	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2025	ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2026	ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2027	ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2028	ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C2029	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2030	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2031	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2033	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2034	ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2050	ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2101-03	ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2104-06	ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2107,08	VCYD1E333KR	S.CAPACITOR 25V 0.033U	2	
C2111	ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2115	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2116	ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2118	VCYD1E333KR	S.CAPACITOR 25V 0.033U	1	
C2121	ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2201	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2203	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2204-06	ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C2207	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208-10	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	3	
C2211	ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2212	ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2213	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3001	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002	ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3003,04	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3011	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3012	ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013	ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3014	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3015	VCYD1E103KR	S.CAPACITOR 25V 0.01U	1	
C3016	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3019	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3053	ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3064	ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3065	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3067,68	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3070	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3071	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3076	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3081	ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3101	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3901,02	ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06	ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08	ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909	ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C3914	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3916	ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4001	ECQB1H153JZ	P.CAPACITOR 50V 0.015U	1	
C4002	ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003	ECKF1H1022F	C.CAPACITOR 50V 1000P	1	
C4004	ECQP1332JZ	P.CAPACITOR 100V 3300P	1	
C4005	ECCD2H121K	C.CAPACITOR 500V 120P	1	
C4006	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007	ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009	ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4012	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013	ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4015	ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017	ECEA10M47	E.CAPACITOR 10V 47U	1	
C4018	ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4019	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4020	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021	ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023	ECUN1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4029	ECQB1H123JZ	P.CAPACITOR 50V 0.012U	1	
C4033	ECQB1H102JZ	F.CAPACITOR 50V 1000P	1	
C6001,02	ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C6005	ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6006	ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6007	VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6010	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C6011,12	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C6013	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6014	ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6015	ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6023	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6025	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6101	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6102	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6103	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6104	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C6105	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6106	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C7401	ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C7402	EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C7409	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7410	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7421	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7422	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C7651	ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653	ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C7668	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7801	ECQB1H102JH	P.CAPACITOR 50V 1000P	1	
C7802	ECQB1H471JH	P.CAPACITOR 50V 470P	1	
C7803	ECQB1H472JH	P.CAPACITOR 50V 4700P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7804	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7805	ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C7806	ECQB1H333JH	P.CAPACITOR 50V 0.033U	1	
C7815	VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C7816	ECEA0JKA331	E.CAPACITOR 6.3V 330U	1	
C7851	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7852	ECEA1AK101	E.CAPACITOR 10V 100U	1	
C7853,54	ECCF1H330JC	C.CAPACITOR 50V 33P	2	
C7855,56	ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7860	ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
D301	MA4091M	DIODE	1	
D710	MA3100L	DIODE	1	
D771	MA151WK	DIODE	1	
D772	MA165	DIODE	1	
D773	11ES1	DIODE	1	
D1001,02	MA165	DIODE	2	
D2003,04	MA165	DIODE	2	
D2007,08	MA165	DIODE	2	
D3001	MA165	DIODE	1	
D3009	MA165	DIODE	1	
D3101	MA165	DIODE	1	
D3102	MA29WA	DIODE	1	
D3901,02	MA165	DIODE	2	
D4003	MA165	DIODE	1	
D6001	MA4051	DIODE	1	
D6002-04	MA165	DIODE	3	
D6005	ERA15-01	DIODE	1	
D6006	MA165	DIODE	1	
D6008	MA723	DIODE	1	
D6009	MA4150L	DIODE	1	
D6023	MA165	DIODE	1	
D7401,02	MA723	DIODE	2	
D7672,73	MA3150H	DIODE	2	
D7851	MA165	DIODE	1	
DL803	EFDBR124A53T	DELAY	1	
F6001	VSF0077	FUSE	1	
FL301	ELB4M022	FILTER	1	
FL302	VLF0499	FILTER	1	
FL303	VLF0727	FILTER	1	
FL801	ELB4W002	FILTER	1	
FL851	VLF0143	FILTER	1	
FL3101	VLF0413	FILTER	1	
IC301	VEFH03D	HIC	1	
IC303	MSM6965-3RS	IC	1	
IC701	M51366SP	IC	1	
IC801	VEFH04F	P.C.BOARD	1	
IC851	BA7025L	IC	1	
IC2001	MN6740VCTK	IC	1	
IC2101	BA6435S	IC	1	
IC2201	AN3814K	IC	1	
IC3101	BA7004	IC	1	
IC3901	LA7150	IC	1	
IC4001	BA7766AS	IC	1	
IC6003	MN12821R	IC	1	
IC7801	SAA4700	IC	1	
IC7851	MN158413VSSJ	IC	1	
IC7852	MN1280S	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J701	VJR0231	PACK PIN	1	
J702,03	VJR0406	PACK PIN	2	
J704	VJR0231	PACK PIN	1	
KR851	VJR0163	PACK PIN	1	
L301	VLQEL05F101K	COIL 100UH	1	
L302	VLQEL05F220K	COIL 22UH	1	
L303,04	VLQEL05F101K	COIL 100UH	2	
L306	VLQEL05F101K	COIL 100UH	1	
L307	VLQEL05F151K	COIL 150UH	1	
L308	VLQEL05F270K	COIL 27UH	1	
L309,10	VLQEL05F101K	COIL 100UH	2	
L311	VLQEL05F2R2K	COIL 2.2UH	1	
L701,02	ELESP680KA	COIL 68UH	2	
L711	ELQTR68XB	COIL 0.68UH	1	
L712	VLQ0305J1R2	COIL 1.2UH	1	
L714	VLQ0305J1R2	COIL 1.2UH	1	
L715	VLQ0213K680	COIL 68UH	1	
L716	ELESP560KA	COIL 56H	1	
L717,18	ELESP680KA	COIL 68UH	2	
L719	ELESP120KA	COIL 12UH	1	
L781	ELESP680KA	COIL 68UH	1	
L805	VLQEL05F101K	COIL 100UH	1	
L806	VLQEL05F681K	COIL 680UH	1	
L808	VLQEL05F470K	COIL 47UH	1	
L809	VLQEL05F331K	COIL 330UH	1	
L810	VLQEL05F101K	COIL 100UH	1	
L811	VLQEL05F470K	COIL 47UH	1	
L812	VLQEL05F681K	COIL 680UH	1	
L822	VLQ0213K150T	COIL 15H	1	
L851	VLQEL05F101K	COIL 100UH	1	
L2002	VLP0074	COIL	1	
L2003	ELESP101KA	COIL	1	
L2101	ELESP102KA	COIL 1000UH	1	
L3001-03	ELESP101KA	COIL	3	
L3005	ELESP120KA	COIL 12UH	1	
L3006	ELESP6R8KA	COIL	1	
L3007	ELESP101KA	COIL	1	
L3008	ELESP3R3KA	COIL	1	
L3101	VLQEL05F101K	COIL 100UH	1	
L3901	VLQEL05F1R0K	COIL 1UH	1	
L3902	VLQEL05F2R7K	COIL 2.7UH	1	
L4001	VLQEL07F822J	COIL 8200UH	1	
L4002	ELESP471KA	COIL	1	
L6101	VLQEL05F101K	COIL 100UH	1	
L7401	ELESP1R0KA	COIL 1UH	1	
L7402	ELESP101KA	COIL	1	
L7404	ELESP1R0KA	COIL 1UH	1	
L7405	ELESP101KA	COIL	1	
P001	VJS1237T	CONNECTOR (FEMALE)	1	
P006	VJS1902	CONNECTOR (FEMALE)	1	
P501	VJS1743T	CONNECTOR (FEMALE)	1	
P1001	VJS2571A013	CONNECTOR (FEMALE)	1	
P2001	VJP1932T	CONNECTOR (MALE)	1	
P2001	VJS1932T	CONNECTOR (FEMALE)	1	
P2201	VJP1237T	CONNECTOR(MALE) 10P	1	
P2201	VJS1237T	CONNECTOR (FEMALE)	1	
P3001	VJP1237T	CONNECTOR(MALE) 10P	1	
P3001	VJS1743T	CONNECTOR (FEMALE)	1	
P3902	VJS1469	CONNECTOR(FEMALE)	1	
P4001	VJP2622	CONNECTOR	1	
P6001	VJS2571A012	CONNECTOR (FEMALE)	1	
P6002	VJS2571A004	CONNECTOR (FEMALE)	1	
P7401	VJS1662	CONNECTOR (FEMALE)	1	
P7402	VJS2571A015	CONNECTOR (FEMALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
PK1	VJR0189	CONNECTOR (MALE)	1	
PK2201	VJR0452	PACK PIN	1	
PK2202	VJR0348	PACK PIN	1	
PK3901	VJR0348	PACK PIN	1	
PK3902	VJR0523	PACK PIN	1	
PK3903	VJR0348	PACK PIN	1	
PK3904	VJR0416	PACK PIN	1	
PK6101	VJR0277	PACK PIN	1	
Q301	MSB709	TRANSISTOR	1	(Q,R,S)
Q302	MSC2295	TRANSISTOR	1	(B,C)
Q303	MSC2295	TRANSISTOR	1	(B,C)
Q304	MSD601	TRANSISTOR	1	(Q,R,S)
Q703	2SD601	TRANSISTOR	1	(S,T)
Q710	2SC2377	TRANSISTOR	1	(C,D)
Q712	2SD638	TRANSISTOR	1	
Q713	2SD1328	TRANSISTOR	1	(S)
Q771	2SD601	TRANSISTOR CHIP	1	
Q804	MSB709	TRANSISTOR	1	(Q,R,S)
Q2001	MSD601	TRANSISTOR	1	(Q,R,S)
Q2002	2SD1996	TRANSISTOR	1	(S)
Q3001	MSC2295	TRANSISTOR	1	
Q3003	MSD601	TRANSISTOR	1	
Q3004	MSB709	TRANSISTOR	1	(Q,R,S)
Q3006	MSC2295	TRANSISTOR	1	
Q3007	MSB709	TRANSISTOR	1	(Q,R,S)
Q3101	MSD601	TRANSISTOR	1	
Q4001	MSD602	TRANSISTOR	1	(R)
Q6001	2SD893	TRANSISTOR	1	
Q6002,03	2SD1994	TRANSISTOR	2	(S)
Q6004	2SD1992	TRANSISTOR	1	
Q6006	2SB1321	TRANSISTOR	1	
Q6007	MSB710	TRANSISTOR	1	(R,S)
Q6008	2SD1273	TRANSISTOR	1	(P)
Q6010	2SD1991A	TRANSISTOR	1	
Q6011	MSB709	TRANSISTOR	1	
Q6101	2SC2206	TRANSISTOR	1	(B,C)
QR701	MRN1404	TRANSISTOR-RESISTOR	1	
QR702	MRN1404	TRANSISTOR-RESISTOR	1	
QR711,12	MRN1403	TRANSISTOR-RESISTOR	2	
QR714	MRN1402	TRANSISTOR-RESISTOR	1	
QR853	UN1213	TRANSISTOR-RESISTOR	1	
QR1001	MRN1404	TRANSISTOR-RESISTOR	1	
QR2002	DTC363EK	COMBI.TR-R	1	
QR2004	2SD1676	TRANSISTOR-RESISTOR	1	
QR2005	MRN1404	TRANSISTOR-RESISTOR	1	
QR3004	MRN2402	TRANSISTOR-RESISTOR	1	
QR3008	MRN1404	TRANSISTOR-RESISTOR	1	
QR4001	MRN1404	TRANSISTOR-RESISTOR	1	
QR6002	UN2119	TRANSISTOR-RESISTOR	1	
QR6003	MRN2404	TRANSISTOR-RESISTOR	1	
QR6004	MRN1404	TRANSISTOR-RESISTOR	1	
QR6007	MRN1403	TRANSISTOR-RESISTOR	1	
QR6011,12	MRN1403	TRANSISTOR-RESISTOR	2	
QR6013	MRN2404	TRANSISTOR-RESISTOR	1	
QR7401	MRN1402	TRANSISTOR-RESISTOR	1	
QR7851	UN1211	TRANSISTOR-RESISTOR	1	
QR7852	UN1213	TRANSISTOR-RESISTOR	1	
		RESISTORS		
R301	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R302	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R303	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R304	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305	ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R306	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R307	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R308		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R309		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R311		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R312		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R317		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R320		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R325		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R326		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R327		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R328		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R329		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R330		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R331		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R332		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R334,35		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R338		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R339		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 180K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R758		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R759		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R815		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R816		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R818		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R819		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R820		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R821		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R822		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R824		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R825		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R831		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R847		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R851		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R852		ERDS2TJ390	C.RESISTOR 1/4W 39	1	
R853		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R854		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R855		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R856		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R858		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2001,02		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2004,05		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2006		ERJ6GMYOR00	M.RESISTOR CH 1/10W 0.00	1	
R2007		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2010		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2011		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2012		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2014		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2015,16		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2017		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2018		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2019		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R2021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2022		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2023		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2024		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2025		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2026		ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2027		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2028		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2030		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2031		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2032		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R2034		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2037		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2038		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2040		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2101-03		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2104		ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2105		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2106		ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	
R2107		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2108		ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2109		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2201		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2202-04		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2205		ERX12SJR68E	M.RESISTOR 1/2W 0.68	1	
R2405		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3001		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3002		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3003		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3019		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3022,23		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3029		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3030		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3042		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3062		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3063		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3071		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3085		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R3086		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3087,88		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R3094		ERJ6GMYOR00	M.RESISTOR CH 1/10W 0.00	1	
R3095		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3096		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3101		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3901		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3902		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04		ERJ6GMYJ242	M.RESISTOR CH1/10W 2.4K	2	
R3905		ERJ6GMYOR00	M.RESISTOR CH 1/10W 0.00	1	
R3906		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3908		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3909		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3910		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3912		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3913		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3916		ERDS2T0	C.RESISTOR 1/4W 0	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4002		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4003		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4008		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4020		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4032		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4035		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4038		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R4042		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4049		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001-03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	3	
R6004,05		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6006		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6007		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6008		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6009		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6010		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6011		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6012		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6013		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6014		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6015		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6017		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6018		ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6019		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6021		ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6022		ERG3SJ220	M.RESISTOR 3W 22	1	
R6023		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6024		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6025		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6026		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6029		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6042,43		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6044,45		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6047		ERDS1TJ332	C.RESISTOR 1/2W 3.3K	1	
R6048		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6049		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6053		ERG2SJ471U	M.RESISTOR 2W 470	1	
R6054		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6055		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6056		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6057		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6059		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6060		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6062		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R6101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7401		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7402		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7801		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R7802		ER0S2CKG7502	M.RESISTOR 1/4W 75K	1	
R7803,04		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
R7805		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R7806		ER0S2CKG3601	M.RESISTOR 1/4W 3.6K	1	
R7807		ERDS2TJ474	C.RESISTOR 1/4W 470K	1	
R7851		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7852		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R7860		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T711		EIS5EC004A	TRANSFORMER	1	
T851		ELM7Q207A	COIL	1	
T4001		EIQ7QF014Q	TRANSFORMER	1	
VR302		EVN4YCA00B23	V.RESISTOR 2K	1	
VR701,02		EVN4YCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR803		EVNDRAA00B14	V.RESISTOR 10K	1	
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2010		EVND1AA00B25	V.RESISTOR 200K	1	
VR3012		EVNDRAA00B52	V.RESISTOR 500	1	
VR4002		EVNDRAA00B25	V.RESISTOR 200K	1	
X301		VSX0225	CRYSTAL OSCILLATOR	1	
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		EFCS5R5MW5	FILTER	1	
X712		EFCS5R5MS5	FILTER	1	
X715		ELB5A043	FILTER	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3101		VSX0099	CRYSTAL OSCILLATOR	1	
X6101		VSX0383	CRYSTAL OSCILLATOR	1	
X7401		VSQ0565	CRYSTAL OSCILLATOR	1	
X7851		EF0A4R0M03C2	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK FIX SPRING	1	
		VSC2734	HEAT SINK	1	
		VMP2631	FUSE FIX ANGLE	1	
		VSC1068	HEAT SINK	1	
		VMA6768	EARTH ANGLE	1	
		ENC17974	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!>
		VEJ0797	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
		VMZ1352	HEAT SINK COVER	1	
		VJF0379	CLAMP	1	
		VJF0858	CLAMP	1	
		VMC0462	EARTH SPRING	1	[FOR SUB MAIN]
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!> [FOR TV DEMODU.]
		VSC2713	SHIELD (MAIN)	1	[FOR TV DEMODU.]
		VSC2712	SHIELD (TOP)	1	[FOR TV DEMODU.]
		VSC2714	SHIELD (BOTTOM)	1	[FOR TV DEMODU.]
		VEJ0779	REAR JACK	1	[SUPPLIED FROM M.B.V]
		VWJ14FN140SS	FLEXIBLE CABLE(4PIN)	1	(P6002-P1508)
		VWJ14HW140MM	FLEXIBLE CABLE(14PIN)	1	(P7401-P7501)
		VWJ0374	FLEXIBLE CABLE(15PIN)	1	(P7402-P7502)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP03764D	MAIN C.B.A.		[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30EI
			CAPACITORS		
C301		ECEA1EKN2R2	E.CAPACITOR 25V 2.2U	1	
C302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C303		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C304		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C306		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C307		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C308		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C310		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C311,12		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C313		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C314		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C315		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C317		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C319		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C321		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C322		ECEA1HKZR2	E.CAPACITOR 50V 2.2U	1	
C324		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C325,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C327,28		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C329		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C332		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C333		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C335		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C336		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C337		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C338		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C339		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C340		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C349		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C351		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C352		ECQB1H562JH	P.CAPACITOR 50V 5600P	1	
C353		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C360		ECUM1H153ZFN	C.CAPACITOR CH 50V 0.015U	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HKZR2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224B0	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUN1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUX1H680JCN	C.CAPACITOR CH 50V 68P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C797,98		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C814		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C815		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C816		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C817		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	1	
C818		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C819		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C820		ECEA1HKZR2	E.CAPACITOR 50V 2.2U	1	
C821		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C823		ECEA1HKZR2	E.CAPACITOR 50V 2.2U	1	
C824		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C825		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C826		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C827		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C828		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C829		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C831,32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C833		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C1001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1003		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C1004		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2001		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2002		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003		ECQB1H472JZ	P.CAPACITOR 50V 4700P	1	
C2004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECQV1H394JZ	P.CAPACITOR 50V 0.39U	1	
C2006		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2007		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2009		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2010		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2011		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2012		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2013		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2014		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2015		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2016		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C2017		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2018		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2019		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2020		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2024		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2025		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2026		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2027		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2028		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2030		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2031		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2034		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2050		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2101-03		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2104-06		ECEA1HKZR2	E.CAPACITOR 50V 2.2U	3	
C2107,08		VCYD1E333KR	S.CAPACITOR 25V 0.033U	2	
C2111		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2115		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2116		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2118		VCYD1E333KR	S.CAPACITOR 25V 0.033U	1	
C2121		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2201		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2203		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2204-06		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C2207		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208-10		ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	3	
C2211		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2212		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2213		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3011		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3014		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3015		VCYD1E103KR	S.CAPACITOR 25V 0.01U	1	
C3016		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3019		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3053		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3064		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3070		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3071		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3072		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3076		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3081		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3101		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3901,02		ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06		ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C3913		ECUM1E103KBN	C.CAPACITOR CH 25V 0.01U	1	
C3914		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3916		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4001		ECQB1H153JZ	P.CAPACITOR 50V 0.015U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECKF1H102ZF	C.CAPACITOR 50V 1000P	1	
C4004		ECQP1332JZ	P.CAPACITOR 100V 3300P	1	
C4005		ECCD2H121K	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M47	E.CAPACITOR 10V 47U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4019		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023		ECUN1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4029		ECQB1H123JZ	P.CAPACITOR 50V 0.012U	1	
C6001,02		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C6005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6006		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6007		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6010		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C6011,12		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C6013		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6014		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6015		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6023		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6103		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6104		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C6105		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6106		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C7401		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C7402		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C7407		ECEA0JKS101	E.CAPACITOR 6.3V 100U	1	
C7409		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7410		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7421		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7422		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7431		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
D301		MA4091M	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		11ES1	DIODE	1	
D1001,02		MA165	DIODE	2	
D2003,04		MA165	DIODE	2	
D2007,08		MA165	DIODE	2	
D3001		MA165	DIODE	1	
D3009		MA165	DIODE	1	
D3101		MA165	DIODE	1	
D3102		MA29WA	DIODE	1	
D3901,02		MA165	DIODE	2	
D4003		MA165	DIODE	1	
D6001		MA4051	DIODE	1	
D6002-04		MA165	DIODE	3	
D6005		ERA15-01	DIODE	1	
D6006		MA165	DIODE	1	
D6008		MA723	DIODE	1	
D6009		MA4150L	DIODE	1	
D6023		MA165	DIODE	1	
D7401,02		MA723	DIODE	2	
D7672,73		MA3150H	DIODE	2	
DL803		EFDBR124A53T	DELAY	1	
F6001		VSF0077	FUSE	1	
FL301		ELB4M022	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0727	FILTER	1	
FL801		ELB4W002	FILTER	1	
FL3101		VLF0413	FILTER	1	
IC301		VEPH03D	HIC	1	
IC303		MSM6965-3RS	IC	1	
IC701		M51366SP	IC	1	
IC801		VEPH04F	P.C.BOARD	1	
IC2001		MN6740VCTK	IC	1	
IC2101		BA6435S	IC	1	
IC2201		AN3814K	IC	1	
IC3101		BA7004	IC	1	
IC3901		LA7150	IC	1	
IC4001		BA7766AS	IC	1	
IC6003		MN12821R	IC	1	
J701		VJR0231	PACK PIN	1	
J702,03		VJR0406	PACK PIN	2	
J704		VJR0231	PACK PIN	1	
L301		VLQEL05F101K	COIL 100UH	1	
L302		VLQEL05F220K	COIL 22UH	1	
L303,04		VLQEL05F101K	COIL 100UH	2	
L306		VLQEL05F101K	COIL 100UH	1	
L307		VLQEL05F151K	COIL 150UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L308		VLQEL05F270K	COIL 27UH	1	
L309,10		VLQEL05F101K	COIL 100UH	2	
L311		VLQEL05F2R2K	COIL 2.2UH	1	
L701,02		ELESP680KA	COIL 68UH	2	
L711		ELQTR68XB	COIL 0.68UH	1	
L712		VLQ0305J1R2	COIL 1.2UH	1	
L714		VLQ0305J1R2	COIL 1.2UH	1	
L715		VLQ0213K680	COIL 68UH	1	
L716		ELESP560KA	COIL 56H	1	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP120KA	COIL 12UH	1	
L781		ELESP680KA	COIL 68UH	1	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F681K	COIL 680UH	1	
L808		VLQEL05F470K	COIL 47UH	1	
L809		VLQEL05F331K	COIL 330UH	1	
L810		VLQEL05F101K	COIL 100UH	1	
L811		VLQEL05F470K	COIL 47UH	1	
L812		VLQEL05F681K	COIL 680UH	1	
L822		VLQ0213K150T	COIL 15H	1	
L2002		VLP0074	COIL	1	
L2003		ELESP101KA	COIL	1	
L2101		ELESP102KA	COIL 1000UH	1	
L3001-03		ELESP101KA	COIL	3	
L3005		ELESP120KA	COIL 12UH	1	
L3006		ELESP6R8KA	COIL	1	
L3007		ELESP101KA	COIL	1	
L3008		ELESP3R3KA	COIL	1	
L3101		VLQEL05F101K	COIL 100UH	1	
L3901		VLQEL05F1R0K	COIL 1UH	1	
L3902		VLQEL05F2R7K	COIL 2.7UH	1	
L3903		VLQEL05F1R0K	COIL 1UH	1	
L3904		VLQEL06F471K	COIL 470UH	1	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		ELESP471KA	COIL	1	
L6101		VLQEL05F101K	COIL 100UH	1	
L7401		ELESP1R0KA	COIL 1UH	1	
L7402		ELESP101KA	COIL	1	
L7403		VLP0085	FILTER	1	
L7404		ELESP1R0KA	COIL 1UH	1	
L7405		ELESP101KA	COIL	1	
P001		VJS1237T	CONNECTOR (FEMALE)	1	
P006		VJS1902	CONNECTOR (FEMALE)	1	
P501		VJS1743T	CONNECTOR (FEMALE)	1	
P1001		VJS2571A013	CONNECTOR (FEMALE)	1	
P2001		VJP1932T	CONNECTOR (MALE)	1	
P2001		VJS1932T	CONNECTOR (FEMALE)	1	
P2201		VJP1237T	CONNECTOR(MALE) 10P	1	
P2201		VJS1237T	CONNECTOR (FEMALE)	1	
P3001		VJP1237T	CONNECTOR(MALE) 10P	1	
P3001		VJS1743T	CONNECTOR (FEMALE)	1	
P3902		VJS1469	CONNECTOR(FEMALE)	1	
P4001		VJP2622	CONNECTOR	1	
P6001		VJS2571A012	CONNECTOR (FEMALE)	1	
P6002		VJS2571A004	CONNECTOR (FEMALE)	1	
P7401		VJS1662	CONNECTOR (FEMALE)	1	
P7402		VJS2571A015	CONNECTOR (FEMALE)	1	
PK2201		VJR0452	PACK PIN	1	
PK2202		VJR0348	PACK PIN	1	
PK3901		VJR0348	PACK PIN	1	
PK3902		VJR0523	PACK PIN	1	
PK3903		VJR0348	PACK PIN	1	
PK3904		VJR0416	PACK PIN	1	
PK6101		VJR0277	PACK PIN	1	
Q301		MSB709	TRANSISTOR	1	(Q,R,S)
Q302		MSC2295	TRANSISTOR	1	(B,C)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q303		MSC2295	TRANSISTOR	1	(B,C)
Q304		MSD601	TRANSISTOR	1	(Q,R,S)
Q703		2SD601	TRANSISTOR	1	(S,T)
Q710		2SC2377	TRANSISTOR	1	(C,D)
Q712		2SD638	TRANSISTOR	1	
Q713		2SD1328	TRANSISTOR	1	(S)
Q771		2SD601	TRANSISTOR CHIP	1	(S,T)
Q804		MSB709	TRANSISTOR	1	(Q,R,S)
Q2001		MSD601	TRANSISTOR	1	(Q,R,S)
Q2002		2SD1996	TRANSISTOR	1	(S)
Q3001		MSC2295	TRANSISTOR	1	
Q3003		MSD601	TRANSISTOR	1	
Q3004		MSB709	TRANSISTOR	1	(Q,R,S)
Q3006		MSC2295	TRANSISTOR	1	
Q3007		MSB709	TRANSISTOR	1	(Q,R,S)
Q3101		MSD601	TRANSISTOR	1	
Q4001		MSD602	TRANSISTOR	1	(R)
Q6001		2SD893	TRANSISTOR	1	
Q6002,03		2SD1994	TRANSISTOR	2	(S)
Q6004		2SD1992	TRANSISTOR	1	
Q6006		2SB1321	TRANSISTOR	1	
Q6007		MSB710	TRANSISTOR	1	(R,S)
Q6008		2SD1273	TRANSISTOR	1	(P)
Q6010		2SD1991A	TRANSISTOR	1	
Q6011		MSB709	TRANSISTOR	1	
Q6101		2SC2206	TRANSISTOR	1	(B,C)
QR701		MRN1404	TRANSISTOR-RESISTOR	1	
QR702		MRN1404	TRANSISTOR-RESISTOR	1	
QR711,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR714		MRN1402	TRANSISTOR-RESISTOR	1	
QR1001		MRN1404	TRANSISTOR-RESISTOR	1	
QR2002		DTC363EK	COMBI.TR-R	1	
QR2004		2SD1676	TRANSISTOR-RESISTOR	1	
QR2005		MRN1404	TRANSISTOR-RESISTOR	1	
QR3004		MRN2402	TRANSISTOR-RESISTOR	1	
QR3008		MRN1404	TRANSISTOR-RESISTOR	1	
QR4001		MRN1404	TRANSISTOR-RESISTOR	1	
QR6002		UN2119	TRANSISTOR-RESISTOR	1	
QR6003		MRN2404	TRANSISTOR-RESISTOR	1	
QR6004		MRN1404	TRANSISTOR-RESISTOR	1	
QR6007		MRN1403	TRANSISTOR-RESISTOR	1	
QR6011,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR6013		MRN2404	TRANSISTOR-RESISTOR	1	
QR7401		MRN1402	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R301		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R302		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R303		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R304		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R306		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R307		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R308		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R309		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R311		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R312		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R317		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R320		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R325		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R326		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R327		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R328		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R329		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R330		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R331		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R332		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R334,35		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R338		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R339		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 180K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R758		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R759		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R815		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R816		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R818		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R819		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R820		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R821		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R822		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R824		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R825		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R831		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R847		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R2001,02		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2004,05		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2006		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R2007		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2010		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2011		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2012		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2014		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2015,16		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2017		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2018		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2019		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R2021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2022		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2023		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2024		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2025		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2026		ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2027		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2028		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2030		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2031		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2032		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R2034		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2037		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2038		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2040		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2101-03		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2104		ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2105		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2106		ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	
R2107		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2108		ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2109		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2201		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2202-04		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2205		ERX12SJR68E	M.RESISTOR 1/2W 0.68	1	
R2405		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3001		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3002		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3003		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3019		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3022,23		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3029		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3030		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3042		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3062		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3063		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3071		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3085		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R3086		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3087,88		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R3094		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R3095		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3096		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3101		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3901		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3902		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04		ERJ6GMYJ242	M.RESISTOR CH1/10W 2.4K	2	
R3905		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R3906		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3908		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3909		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3910		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3912		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3913		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3916		ERDS2T0	C.RESISTOR 1/4W 0	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4002		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4003		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4008		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4020		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4031		ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4032		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4035		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4038		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R4042		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R4049		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001-03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	3	
R6004,05		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6006		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6007		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6008		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6009		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6010		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6011		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6012		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6013		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6014		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6015		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6017		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6018		ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6019		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6021		ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6022		ERG3SJ220	M.RESISTOR 3W 22	1	
R6023		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6024		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6025		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6026		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6029		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6042,43		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6044,45		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6047		ERDS1TJ332	C.RESISTOR 1/2W 3.3K	1	
R6048		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6049		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6053		ERG2SJ471U	M.RESISTOR 2W 470	1	
R6054		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6055		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6056		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6057		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6059		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6060		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6062		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R6101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7401		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7402		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T711		EIS5EC004A	TRANSFORMER	1	
T4001		EIQ7QF014Q	TRANSFORMER	1	
VR302		EVN4YCA00B23	V.RESISTOR 2K	1	
VR701,02		EVN4YCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR803		EVNDRAA00B14	V.RESISTOR 10K	1	
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2010		EVND1AA00B25	V.RESISTOR 200K	1	
VR3012		EVNDRAA00B52	V.RESISTOR 500	1	
VR4002		EVNDRAA00B25	V.RESISTOR 200K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
X301		VSX0225	CRYSTAL OSCILLATOR	1	
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		EFCS5R5MW5	FILTER	1	
X712		EFCS5R5MS5	FILTER	1	
X715		ELB5A043	FILTER	1	
X716		EFCA31R90M1	CRYSTAL OSCILLATOR	1	31.75MHZ
X717		EFCA40R40M1	FILTER	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3101		VSX0099	CRYSTAL OSCILLATOR	1	
X6101		VSX0383	CRYSTAL OSCILLATOR	1	
X7401		VSQ0565	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK FIX SPRING	1	
		VSC2734	HEAT SINK	1	
		VMP2631	FUSE FIX ANGLE	1	
		VSC1068	HEAT SINK	1	
		VMA6768	EARTH ANGLE	1	
		ENC17976	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> OR VEQ1043
		VEJ0797	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
		VMZ1352	HEAT SINK COVER	1	
		VJF0379	CLAMP	1	
		VJF0858	CLAMP	1	
		VMC0462	EARTH SPRING	1	[FOR SUB MAIN]
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!> [FOR TV DEMODU.]
		VSC2713	SHIELD (MAIN)	1	[FOR TV DEMODU.]
		VSC2712	SHIELD (TOP)	1	[FOR TV DEMODU.]
		VSC2714	SHIELD (BOTTOM)	1	[FOR TV DEMODU.]
		VEJ0779	REAR JACK	1	[SUPPLIED FROM M.B.V]
		VWJ14FN140SS	FLEXIBLE CABLE(4PIN)	1	(P6002-P1508)
		VWJ14HW140MM	FLEXIBLE CABLE(14PIN)	1	(P7401-P7501)
		VWJ0374	FLEXIBLE CABLE(15PIN)	1	(P7402-P7502)
	■	VEP03764E	MAIN C.B.A.		[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30ER
			CAPACITORS		
C301		ECEA1EKN2R2	E.CAPACITOR 25V 2.2U	1	
C302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C303		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C304		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C306		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C307		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C308		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C310		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C311,12		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C313		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C314		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C315		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C317		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C319		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C321		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C322		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C324		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C325,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C327,28		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C329		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C332		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C333		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C335		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C336		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C337		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C338		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C339		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C340		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C349		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C351		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C352		ECQB1H562JH	P.CAPACITOR 50V 5600P	1	
C353		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C360		ECUM1H153ZFN	C.CAPACITOR CH 50V 0.015U	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224BO	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUN1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUX1H680JCN	C.CAPACITOR CH 50V 68P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C797,98		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C814		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C815		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C816		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C817		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	1	
C818		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C819		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C820		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C821		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C823		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C824		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C825		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C826		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C827		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C828		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C829		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C830		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C831,32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C833		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C851		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C852		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C853		ECEA10247	E.CAPACITOR 10V 47U	1	
C854		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C855		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C856		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C858		ECKF1H681KB	C.CAPACITOR 50V 680P	1	
C859		ECCF1H470JC	C.CAPACITOR 50V 47P	1	
C1001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1003		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C1004		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2001		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2002		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2003		ECQB1H472JZ	P.CAPACITOR 50V 4700P	1	
C2004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECQV1H394JZ	P.CAPACITOR 50V 0.39U	1	
C2006		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2007		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2009		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2010		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2011		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2012		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2013		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2014		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2015		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2016		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C2017		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2018		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2019		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2020		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2024		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2025		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2026		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2027		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2028		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2030		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2031		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2034		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2050		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2101-03		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2104-06		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2107,08		VCYD1E333KR	S.CAPACITOR 25V 0.033U	2	
C2111		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2115		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2116		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2118		VCYD1E333KR	S.CAPACITOR 25V 0.033U	1	
C2121		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2201		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2203		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2204-06		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C2207		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208-10		ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	3	
C2211		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2212		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2213		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3011		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3014		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3015		VCYD1E103KR	S.CAPACITOR 25V 0.01U	1	
C3016		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3019		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3053		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3064		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3070		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3071		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3072		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3076		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3081		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3101		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3901,02		ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06		ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3914		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3916		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4001		ECQB1H153JZ	P.CAPACITOR 50V 0.015U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECKF1H102ZF	C.CAPACITOR 50V 1000P	1	
C4004		ECQP1332JZ	P.CAPACITOR 100V 3300P	1	
C4005		ECCD2H121K	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M47	E.CAPACITOR 10V 47U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4019		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023		ECUN1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4029		ECQB1H123JZ	P.CAPACITOR 50V 0.012U	1	
C4033		ECQB1H102JZ	F.CAPACITOR 50V 1000P	1	
C6001,02		ECEAOJK470	E.CAPACITOR 6.3V 47U	2	
C6005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6006		ECEAOJK330	E.CAPACITOR 6.3V 33U	1	
C6007		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6010		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C6011,12		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C6013		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6014		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6015		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6023		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6103		ECEAOJK470	E.CAPACITOR 6.3V 47U	1	
C6104		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C6105		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6106		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C7401		ECEAOJU221	E.CAPACITOR 6.3V 220U	1	
C7402		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C7409		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7410		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7421		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7422		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
D301		MA4091M	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		11ES1	DIODE	1	
D1001,02		MA165	DIODE	2	
D2003,04		MA165	DIODE	2	
D2007,08		MA165	DIODE	2	
D3001		MA165	DIODE	1	
D3009		MA165	DIODE	1	
D3101		MA165	DIODE	1	
D3102		MA29WA	DIODE	1	
D3901,02		MA165	DIODE	2	
D4003		MA165	DIODE	1	
D6001		MA4051	DIODE	1	
D6002-04		MA165	DIODE	3	
D6005		ERA15-01	DIODE	1	
D6006		MA165	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6008		MA723	DIODE	1	
D6009		MA4150L	DIODE	1	
D6023		MA165	DIODE	1	
D7401,02		MA723	DIODE	2	
D7672,73		MA3150H	DIODE	2	
DL803		EFDBR124A53T	DELAY	1	
F6001		VSF0077	FUSE	1	
FL301		ELB4M022	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0727	FILTER	1	
FL801		ELB4W002	FILTER	1	
FL851		VLF0143	FILTER	1	
FL3101		VLF0413	FILTER	1	
IC301		VEFH03D	HIC	1	
IC303		MSM6965-3RS	IC	1	
IC701		M51366SP	IC	1	
IC801		VEFH04F	P.C.BOARD	1	
IC851		BA7025L	IC	1	
IC2001		MN6740VCTK	IC	1	
IC2101		BA6435S	IC	1	
IC2201		AN3814K	IC	1	
IC3101		BA7004	IC	1	
IC3901		LA7150	IC	1	
IC4001		BA7766AS	IC	1	
IC6003		MN12821R	IC	1	
J701		VJR0231	PACK PIN	1	
J702,03		VJR0406	PACK PIN	2	
J704		VJR0231	PACK PIN	1	
KR851		VJR0163	PACK PIN	1	
L301		VLQEL05F101K	COIL 100UH	1	
L302		VLQEL05F220K	COIL 22UH	1	
L303,04		VLQEL05F101K	COIL 100UH	2	
L306		VLQEL05F101K	COIL 100UH	1	
L307		VLQEL05F151K	COIL 150UH	1	
L308		VLQEL05F270K	COIL 27UH	1	
L309,10		VLQEL05F101K	COIL 100UH	2	
L311		VLQEL05F2R2K	COIL 2.2UH	1	
L701,02		ELESP680KA	COIL 68UH	2	
L711		ELQTR68XB	COIL 0.68UH	1	
L712		VLQ0305J1R2	COIL 1.2UH	1	
L714		VLQ0305J1R2	COIL 1.2UH	1	
L715		VLQ0213K680	COIL 68UH	1	
L716		ELESP560KA	COIL 56H	1	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP120KA	COIL 12UH	1	
L781		ELESP680KA	COIL 68UH	1	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F681K	COIL 680UH	1	
L808		VLQEL05F470K	COIL 47UH	1	
L809		VLQEL05F331K	COIL 330UH	1	
L810		VLQEL05F101K	COIL 100UH	1	
L811		VLQEL05F470K	COIL 47UH	1	
L812		VLQEL05F681K	COIL 680UH	1	
L822		VLQ0213K150T	COIL 15H	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L851	VLQEL05F101K	COIL 100UH	1	
L2002	VLP0074	COIL	1	
L2003	ELESP101KA	COIL	1	
L2101	ELESP102KA	COIL 1000UH	1	
L3001-03	ELESP101KA	COIL	3	
L3005	ELESP120KA	COIL 12UH	1	
L3006	ELESP6R8KA	COIL	1	
L3007	ELESP101KA	COIL	1	
L3008	ELESP3R3KA	COIL	1	
L3101	VLQEL05F101K	COIL 100UH	1	
L3901	VLQEL05F1R0K	COIL 1UH	1	
L3902	VLQEL05F2R7K	COIL 2.7UH	1	
L4001	VLQEL07F822J	COIL 8200UH	1	
L4002	ELESP471KA	COIL	1	
L6101	VLQEL05F101K	COIL 100UH	1	
L7401	ELESP1R0KA	COIL 1UH	1	
L7402	ELESP101KA	COIL	1	
L7404	ELESP1R0KA	COIL 1UH	1	
L7405	ELESP101KA	COIL	1	
P001	VJS1237T	CONNECTOR (FEMALE)	1	
P006	VJS1902	CONNECTOR (FEMALE)	1	
P501	VJS1743T	CONNECTOR (FEMALE)	1	
P1001	VJS2571A013	CONNECTOR (FEMALE)	1	
P2001	VJP1932T	CONNECTOR (MALE)	1	
P2001	VJS1932T	CONNECTOR (FEMALE)	1	
P2201	VJP1237T	CONNECTOR(MALE) 10P	1	
P2201	VJS1237T	CONNECTOR (FEMALE)	1	
P3001	VJP1237T	CONNECTOR(MALE) 10P	1	
P3001	VJS1743T	CONNECTOR (FEMALE)	1	
P3902	VJS1469	CONNECTOR(FEMALE)	1	
P4001	VJP2622	CONNECTOR	1	
P6001	VJS2571A012	CONNECTOR (FEMALE)	1	
P6002	VJS2571A004	CONNECTOR (FEMALE)	1	
P7401	VJS1662	CONNECTOR (FEMALE)	1	
P7402	VJS2571A015	CONNECTOR (FEMALE)	1	
PK2201	VJR0452	PACK PIN	1	
PK2202	VJR0348	PACK PIN	1	
PK3901	VJR0348	PACK PIN	1	
PK3902	VJR0523	PACK PIN	1	
PK3903	VJR0348	PACK PIN	1	
PK3904	VJR0416	PACK PIN	1	
PK6101	VJR0277	PACK PIN	1	
Q301	MSB709	TRANSISTOR	1	(Q,R,S)
Q302	MSC2295	TRANSISTOR	1	(B,C)
Q303	MSC2295	TRANSISTOR	1	(B,C)
Q304	MSD601	TRANSISTOR	1	(Q,R,S)
Q703	2SD601	TRANSISTOR	1	(S,T)
Q710	2SC2377	TRANSISTOR	1	(C,D)
Q712	2SD638	TRANSISTOR	1	
Q713	2SD1328	TRANSISTOR	1	(S)
Q771	2SD601	TRANSISTOR CHIP	1	
Q804	MSB709	TRANSISTOR	1	(Q,R,S)
Q2001	MSD601	TRANSISTOR	1	(Q,R,S)
Q2002	2SD1996	TRANSISTOR	1	(S)
Q3001	MSC2295	TRANSISTOR	1	
Q3003	MSD601	TRANSISTOR	1	
Q3004	MSB709	TRANSISTOR	1	(Q,R,S)
Q3006	MSC2295	TRANSISTOR	1	
Q3007	MSB709	TRANSISTOR	1	(Q,R,S)
Q3101	MSD601	TRANSISTOR	1	
Q4001	MSD602	TRANSISTOR	1	(R)
Q6001	2SD893	TRANSISTOR	1	
Q6002,03	2SD1994	TRANSISTOR	2	(S)
Q6004	2SD1992	TRANSISTOR	1	
Q6006	2SB1321	TRANSISTOR	1	
Q6007	MSB710	TRANSISTOR	1	(R,S)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q6008	2SD1273	TRANSISTOR	1	(P)
Q6010	2SD1991A	TRANSISTOR	1	
Q6011	MSB709	TRANSISTOR	1	
Q6101	2SC2206	TRANSISTOR	1	(B,C)
QR701	MRN1404	TRANSISTOR-RESISTOR	1	
QR702	MRN1404	TRANSISTOR-RESISTOR	1	
QR711,12	MRN1403	TRANSISTOR-RESISTOR	2	
QR714	MRN1402	TRANSISTOR-RESISTOR	1	
QR853	UN1213	TRANSISTOR-RESISTOR	1	
QR1001	MRN1404	TRANSISTOR-RESISTOR	1	
QR2002	DTC363EK	COMBI.TR-R	1	
QR2004	2SD1676	TRANSISTOR-RESISTOR	1	
QR2005	MRN1404	TRANSISTOR-RESISTOR	1	
QR3004	MRN2402	TRANSISTOR-RESISTOR	1	
QR3008	MRN1404	TRANSISTOR-RESISTOR	1	
QR4001	MRN1404	TRANSISTOR-RESISTOR	1	
QR6002	UN2119	TRANSISTOR-RESISTOR	1	
QR6003	MRN2404	TRANSISTOR-RESISTOR	1	
QR6004	MRN1404	TRANSISTOR-RESISTOR	1	
QR6007	MRN1403	TRANSISTOR-RESISTOR	1	
QR6011,12	MRN1403	TRANSISTOR-RESISTOR	2	
QR6013	MRN2404	TRANSISTOR-RESISTOR	1	
QR7401	MRN1402	TRANSISTOR-RESISTOR	1	
		RESISTORS		
R301	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R302	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R303	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R304	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305	ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R306	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R307	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R308	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R309	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R311	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R312	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R317	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R320	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R325	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R326	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R327	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R328	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R329	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R330	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R331	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R332	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R334,35	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R338	ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R339	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R712	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714	ERD2FCG330	C.RESISTOR 2W 33	1	
R715	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718	ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723	ERJ6GEYJ183	M.RESISTOR CH 1/10W 180K	1	
R724	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R740	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743	ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R758	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R759	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R763	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792	ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R815	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R816	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R818	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R819	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R820	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R821	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R822	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R824	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R825	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R831	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R847	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R851	ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R852	ERDS2TJ390	C.RESISTOR 1/4W 39	1	
R853	ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R854	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R855	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R856	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R858	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2001,02	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2004,05	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2006	ERJ6GMYOR00	M.RESISTOR CH 1/10W 0.00	1	
R2007	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2008	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2010	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2011	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2012	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2013	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2014	ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2015,16	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2017	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2018	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2019	ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R2021	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2022	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2023	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2024	ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2025	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2026	ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2027	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2028	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2029	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2030	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2031	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2032	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R2034	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2037	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2038	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2040	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2101-03	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2104	ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2105	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2106	ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2107	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2108	ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2109	ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2201	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2202-04	ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2205	ERX12SJR68E	M.RESISTOR 1/2W 0.68	1	
R2405	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3001	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3002	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3003	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3019	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3022,23	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3029	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3030	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3042	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3062	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3063	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3071	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3085	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R3086	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3087,88	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R3094	ERJ6GMYOR00	M.RESISTOR CH 1/10W 0.00	1	
R3095	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3096	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3101	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3901	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3902	ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04	ERJ6GMYJ242	M.RESISTOR CH1/10W 2.4K	2	
R3905	ERJ6GMYOR00	M.RESISTOR CH 1/10W 0.00	1	
R3906	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3908	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3909	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3910	ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3912	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3913	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3916	ERDS2T0	C.RESISTOR 1/4W 0	1	
R4001	ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4002	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4003	ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4008	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4012	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013	ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014	ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4016	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017	ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R4018	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019	ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4020	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25	ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4032	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4035	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4038	ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R4042	ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4049	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
R6001-03	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	3	
R6004,05	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6006	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6007	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6008	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6009	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6010	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6011		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6012		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6013		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6014		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6015		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6017		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6018		ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6019		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6021		ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6022		ERG3SJ220	M.RESISTOR 3W 22	1	
R6023		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6024		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6025		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6026		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6029		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6042,43		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6044,45		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6047		ERDS1TJ332	C.RESISTOR 1/2W 3.3K	1	
R6048		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6049		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6053		ERG2SJ471U	M.RESISTOR 2W 470	1	
R6054		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6055		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6056		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6057		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6059		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6060		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6062		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R6101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7401		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7402		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EU1BEF023	TRANSFORMER	1	
T711		EIS5EC004A	TRANSFORMER	1	
T851		ELM7Q207A	COIL	1	
T4001		EIQ7QF014Q	TRANSFORMER	1	
VR302		EVN4YCA00B23	V.RESISTOR 2K	1	
VR701,02		EVN4YCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR803		EVNDRAA00B14	V.RESISTOR 10K	1	
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2010		EVND1AA00B25	V.RESISTOR 200K	1	
VR3012		EVNDRAA00B52	V.RESISTOR 500	1	
VR4002		EVNDRAA00B25	V.RESISTOR 200K	1	
X301		VSX0225	CRYSTAL OSCILLATOR	1	
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		EFCS5R5MW5	FILTER	1	
X712		EFCS5R5MS5	FILTER	1	
X715		ELB5A043	FILTER	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3101		VSX0099	CRYSTAL OSCILLATOR	1	
X6101		VSX0383	CRYSTAL OSCILLATOR	1	
X7401		VSQ0565	CRYSTAL OSCILLATOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
		VMC0075	HEAT SINK FIX SPRING	1	
		VSC2734	HEAT SINK	1	
		VMP2631	FUSE FIX ANGLE	1	
		VSC1068	HEAT SINK	1	
		VMA6768	EARTH ANGLE	1	
		ENC17974	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!>
		VEJ0797	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
		VMZ1352	HEAT SINK COVER	1	
		VJF0379	CLAMP	1	
		VJF0858	CLAMP	1	
		VMC0462	EARTH SPRING	1	[FOR SUB MAIN]
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!> [FOR TV DEMODU.]
		VSC2713	SHIELD (MAIN)	1	[FOR TV DEMODU.]
		VSC2712	SHIELD (TOP)	1	[FOR TV DEMODU.]
		VSC2714	SHIELD (BOTTOM)	1	[FOR TV DEMODU.]
		VEJ0779	REAR JACK	1	[SUPPLIED FROM M.B.V]
		VWJ14FN140SS	FLEXIBLE CABLE(4PIN)	1	(P6002-P1508)
		VWJ14HW140MM	FLEXIBLE CABLE(14PIN)	1	(P7401-P7501)
		VWJ0374	FLEXIBLE CABLE(15PIN)	1	(P7402-P7502)
	■	VEP07597B	TIMER C.B.A.		(NLA)
					[SUPPLIED FROM M.B.V]
			CAPACITORS		
C6701		ECEA0JK470I	E.CAPACITOR 6.3V 47U	1	
C6702		ECKF1H331KBA	C.CAPACITOR 50V 330P	1	
C6703		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6704		ECEA1HK3R3I	E.CAPACITOR 50V 3.3U	1	
C7501		ECRHA030E41	TRIMMER 3P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C7503		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7507		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C7508		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7510		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7511		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7525		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C7551		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D6701		PN323B	PHOTO DIODE	1	
D7501		MA4068	DIODE	1	
D7504		MA165	DIODE	1	
D7507		MA165	DIODE	1	
D7510,11		MA165	DIODE	2	
D7513		MA165	DIODE	1	
D7516		MA165	DIODE	1	
D7530		MA165	DIODE	1	
D7532-35		MA165	DIODE	4	
D7537-41		MA165	DIODE	5	
D7556		LN38GCPL	DIODE	1	
DP7501		VSL0164	DISPLAY TUBE	1	
IC7501		MN187125VHP	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC7601		UPC1490HA	IC	1	
L7501		VLQEL05F221K	COIL 220UH	1	
P7501		VJS1492	CONNECTOR(FEMALE)	1	
P7502		VJS2651B015	CONNECTOR (FEMALE)	1	
P7505		VJS2652	CONNECTOR	1	
QR7501		MRN1404	TRANSISTOR-RESISTOR	1	
QR7525		UN2216	TRANSISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154T	C.RESISTOR 1/4W 150K	1	
R6702		ERDS2TJ8R2	C.RESISTOR 1/4W 8.2	1	
R6703		ERDS2TJ103T	C.RESISTOR 1/4W 10K	1	
R7501		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R7504		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R7508-10		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7512		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R7523-27		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	5	
R7530-32		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R7533		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7535		ERDS1TJ5R1	C.RESISTOR 1/2W 5.1	1	
R7538		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7546		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7549		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7552-54		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	3	
R7555		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7561,62		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
SW7504		EVQ11407K	SWITCH	1	
SW7517		EVQ11407K	SWITCH	1	
SW7527		EVQ11407K	SWITCH	1	
SW7532-46		EVQ11407K	SWITCH	15	
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0843	LED HOLDER	1	
		VJF0706	FIP HOLDER	1	
		VSC2059	SHIELD (MAIN)	1	(FOR IR RECEIVER)
		VSC1928	SHIELD (BOTTOM)	1	(FOR IR RECEIVER)
	■	VEP06680A	OPERATION C.B.A.		(NLA)
					[SUPPLIED FROM M.B.V]
D6203		LN28RCPPU	DIODE	1	
P6201		VJP2652	CONNECTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			RESISTORS		
R6201		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R6202		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
SW6201-07		EVQ11407K	SWITCH	7	
SW6211		VSS0187	SWITCH	1	
SW6213		VSS0236	SWITCH	1	
VR3004		EWAKFKXB3B24	V.RESISTOR 20K	1	
			MISCELLANEOUS		
		VMD0504	LED HOLDER	1	
		VGU4537	SWITCH KNOB	2	
	■	VEP05137B	HEAD AMP C.B.A.		(NLA)
			CAPACITORS		
C501		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C502		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C505		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C507		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C510,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C512		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C513		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C514		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C515		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C516		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C517		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C518		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C523		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C524		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C525		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C528		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C529		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C530		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C531		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C532		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C533		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C534		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C538		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C539		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C540		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C541		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C542		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
IC501		BA7274S	IC	1	
L501		VLQEL05F101K	COIL 100UH	1	
L503		VLQEL05F270K	COIL 27UH	1	
L504		VLQEL05F101K	COIL 100UH	1	
L505		VLQEL05F820K	COIL 82UH	1	
L506		VLQEL05F151K	COIL 150UH	1	
P002		VJS1449	CONNECTOR(FEMALE)	1	
P501		VJP1237T	CONNECTOR(MALE) 10P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q501		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q502		2SC2295	TRANSISTOR	1	
			RESISTORS		
R501		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R503		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R504		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R507		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R508		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R509		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R510		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R512		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R513		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R518		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R519		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R523		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R524		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R525		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R526		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R527		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R528		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R532		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R533		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R534-36		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	3	
VR501		EVND1AA00B23	V.RESISTOR 2K	1	
VR502		EVND1AA00B13	V.RESISTOR 1K	1	
			MISCELLANEOUS		
		VSC2353	SHIELD (TOP)	1	
		VSC2355	SHIELD (BOTTOM)	1	
		VSC2354	SHIELD (MAIN)	1	
	■	VEP01420AC	POWER C.B.A.		[SUPPLIED FROM M.B.V]
					<!> (NLA)
					NV-J30E0/EV/ER
	■	VEP01420AB	POWER C.B.A.		[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J30EI
			CAPACITORS		
C1101		ECQU2A224MN	P.CAPACITOR 100V 0.22U	1	NV-J30E0/EV/ER
C1101		ECQU2A154MNB	P.CAPACITOR 100V 0.15U	1	NV-J30EI
C1102		ECQU2A154MNB	P.CAPACITOR 100V 0.15U	1	NV-J30E0/EV/ER
C1102		ECQU2A104MNB	P.CAPACITOR 100V 0.1U	1	NV-J30EI
C1108		ECOS2GU820B	C.CAPACITOR 400V 82P	1	
C1109		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1110		ECQE6473JZ	P.CAPACITOR 630V 0.047U	1	
C1111		ECKD3D331KBN	C.CAPACITOR 2KV 330P	1	
C1113		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	
C1114		ECA1CXLV470	.CAPACITOR	1	
C1115		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	
C1117		ECQP1101JZ	P.CAPACITOR 100V 100P	1	
C1118		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1119,20		ECEA1DFZ681X	E.CAPACITOR 20V 680U	2	
C1121		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1122		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1123		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1124,25		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1126		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1127		ECEA0JFZ471	E.CAPACITOR 6.3V 470U	1	
C1128-31		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	4	
C1132		ECEA1CGE100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1134,35		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	2	
C1136		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C1137		ECQV1H223JS	P.CAPACITOR 50V 0.022U	1	
C1140,41		VCK0046	.CAPACITOR	2	NV-J30E0/EV/ER
C1142		VCC0024	C.CAPACITOR 2200P	1	NV-J30E0/EV/ER
C1142		VCC0021	C.CAPACITOR	1	NV-J30EI
C1143,44		VCK0046	.CAPACITOR	2	NV-J30E0/EV/ER
C1145		VCC0024	C.CAPACITOR 2200P	1	NV-J30E0/EV/ER
C1145		VCC0021	C.CAPACITOR	1	NV-J30EI
C1146		VCK0046	.CAPACITOR	1	NV-J30E0/EV/ER
C1147		VCC0024	C.CAPACITOR 2200P	1	NV-J30E0/EV/ER
C1147		VCC0022	C.CAPACITOR	1	NV-J30EI
C1148		VCK0046	.CAPACITOR	1	NV-J30E0/EV/ER
D1101		SNR-300K4	SURGE ABSORBER	1	NV-J30E0/EV/ER
D1102		S1WBA60	DIODE	1	
D1103		VSD0002	DIODE	1	
D1104		AP01C	DIODE	1	
D1105		MA178	DIODE	1	
D1106		MA4039	DIODE	1	
D1107		MA165	DIODE	1	
D1108		ERA22-02	DIODE	1	
D1109		RL2ZP	DIODE	1	
D1110		MA185	DIODE	1	
D1111		11EQS04	DIODE	1	
D1112		ERB83-004L17	DIODE	1	
D1113		MA2200B	DIODE	1	
D1114		MA4130L	DIODE	1	
IC1101		STRD1816E	IC	1	NV-J30E0/EV/ER
IC1101		STRD1816	IC	1	NV-J30EI
IC1102		STK5392	IC	1	
L1101		ELF18D290A	COIL	1	NV-J30EI
L1102		ELF18D221F	COIL	1	NV-J30E0/EV/ER
L1102		ELF18D290A	COIL	1	NV-J30EI
L1103		VLQ0335	COIL	1	
L1104-07		VLP0085	COIL	4	NV-J30EI
L1108-10		VLP0085	COIL	3	NV-J30E0/EV/ER
P1101		VJS2651B013W	CONNECTOR (FEMALE)	1	
P1102		VJS2625	CONNECTOR (FEMALE)	1	
Q1102		2SD1330	TRANSISTOR	1	
			RESISTORS		
R1101		ERC12AGM334	S.RESISTOR 1/2W 330K	1	
R1102,03		ERDS1TJ823	C.RESISTOR 1/2W 82K	2	
R1104		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R1106		ERG3ANJ683	M.RESISTOR 3W 68K	1	
R1108		ERD2FTVG182	C.RESISTOR 1/4W 1.8K	1	
R1110		ERG2SJ330	M.RESISTOR 2W 33	1	
R1111		ERG2SJ181	M.RESISTOR 2W 180	1	
R1113		ERG1SJ182E	M.RESISTOR 1W 1.8K	1	
R1114		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1118		ERDS2TJ1R0	C.RESISTOR 1/4W 1.0	1	
R1123,24		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1125		ERW1PK2R2	WIRE WOUND 2W 2.2	1	
T1101		VLT0571	TRANSFORMER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
		VJF0318	FUSE HOLDER	4	<!>
		VMZ1361	CAPACITOR COVER	1	<!> NV-J30EO/EV/ER
		VMZ0913	CAPACITOR COVER	2	<!> NV-J30EO/EV/ER
		VMZ1608	CAPACITOR COVER	1	<!> NV-J30EI
		VMZ1183	CAPACITOR COVER	1	<!> NV-J30EI
	■	VEP66125E	REMOTE CONTROL C.B.A.		(NLA)
			CAPACITORS		
C6801		ECEA1AKA470I	E.CAPACITOR 10V 47U	1	
C6802		ECUM1E104ZFM	C.CAPACITOR CH 25V 0.1U	1	
C6803		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C6804		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6808,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6810		ECUM1E104ZFM	C.CAPACITOR CH 25V 0.1U	1	
C6811		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C6812		ECUM1E154ZFM	C.CAPACITOR CH 25V 0.15U	1	
D6801		SE303ACYTF	DIODE	1	
D6803-12		MA221	DIODE	10	
D6817		MA221	DIODE	1	
D6818		MA221	DIODE	1	
IC6801		MN158455VSSD	IC	1	
IC6802		AN8356S	IC	1	
L6801		ELT3K017B	COIL	1	
Q6801		2SD1328	TRANSISTOR CHIP	1	(R,S)
Q6802		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q6803		2SD601	TRANSISTOR CHIP	1	(Q,R,S)
QR6803		DTC144TK	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6802,03		ERJ6GMYJ474	M.RESISTOR CH 1/10W 470K	2	
R6804		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R6805		ERJ6GMYJ153V	M.RESISTOR CH 1/10W 15K	1	
R6806		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6807		ERJ8GCYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R6808		ERJ6GMYJ824	M.RESISTOR CH1/10W 820K	1	
R6810		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6812		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R6813		ERJ6GMYJ6R8	M.RESISTOR CH1/10W 6.8	1	
R6814,15		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6816		ERJ6GMYJ334V	M.RESISTOR CH 1/10W 330K	1	
R6817		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
SN6801		VSQ0567	SENSOR	1	
VR6801		EVNDXAA00B34	V.RESISTOR 30K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
X6801		EFOGC3524T4	CRYSTAL OSCILLATOR	1	
X6802		EFBAL30D401K	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VGQ1406	TERMINAL BASE	1	
		VJR0401	TERMINAL ANGLE	2	
	■	VXA3820	MECHANISM CONNECTION C.B.A.		(NLA)
			IC		
IC1501		ON2170	IC	1	
			RESISTOR		
R1501,02		ERJ8GCYJ223	CHIP 1/8W 22K	2	
			CONNECTORS		
P1504		VJS2342W	CONNECTOR 13P	1	
P1505		VJP1242T	CONNECTOR 2P	1	
			MISCELLANEOUS		
		VMA7844	REINFORCEMENT PLATE (F)	1	
		VMA7845	REINFORCEMENT PLATE (R)	1	
	■	VEK3578	SUPPLY PHOTO Tr. C.B.A.		(NLA)
			CAPACITOR		
C1501		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
			TRANSISTOR		
Q1501		PN150NVS	TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO Tr. HOLDER	1	
	■	- - - - -	TAKE-UP PHOTO Tr. C.B.A.		THIS PART IS INCLUDED IN SLIDE SW UNIT (VXA3498).
			CAPACITOR		
C1502		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
			CONNECTOR		
P1503		VJS2165W	CONNECTOR 6P	1	
			TRANSISTOR		
Q1502		PN150NVS	TRANSISTOR	1	
			RESISTOR		
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
		VMD0645	PHOTO Tr. HOLDER	1	

GRUNDIG SERVICE MANUAL

VIDEO

D Btx *32700 #

Laufwerk G 2

(3-Motoren-Laufwerk)

Drive Mechanism G 2

(3-motor drive mechanism)

D GB

Inhaltsverzeichnis

		Seite
1.	Absenken des Cassettenschachtes von Hand	2
2.	Cassettenauswurf von Hand	2
3.	Ausbau des Cassettenschachtes	3
4.	Einbau des Cassettenschachtes	3
5.	Arbeiten am Bandtrommelbaustein	4 - 6
6.	Mechanische Einstellungen	6 - 12
7.	Hinweise zu Reparaturen in der Antriebsmechanik	13 - 18
8.	Allgemeine Hinweise	18
9.	Explosionszeichnungen	19 - 21

List of contents

		Page
1.	Lowering the Cassette Compartment by Hand	2
2.	Ejecting the Cassette by Hand	2
3.	Removing the Cassette Compartment	3
4.	Refitting the Cassette Compartment	3
5.	Working on the Tape Drum Unit	4 - 6
6.	Mechanical Adjustments	6 - 12
7.	Notes on Repairing the Drive Mechanism	13 - 18
8.	General Notes	18
9.	Explosion views	19 - 21

Meßgeräte / Meßmittel

Test equipment / aids

		z.B. / e.g. **GRUNDIG**
Zweikanaloszilloskop	Dual channel oscilloscope	MO 20, MO 53
Regeltrenntrafo	Variable isolating transformer	RT 5 A
		Sach-Nr. / Part no
Kopfscheibenabzieher (VFK 0341)	Head wheel extractor (VFK 0341)	75987 - 262.96
Referenzplatte (VFK 0387)	Tension post adjustment plate (VFK 0387)	75987 - 262.86
Einstellplatte (VFK 0191)	Post adjustment plate (VFK 0191)	75987 - 262.75
Höhenmeßuhr (VFK 0190)	Dial hight gauge (VFK 0190)	75987 - 262.76
Höhenlehre (VFK 0344)	Hight gauge (VFK 0344)	75987 - 262.87
Bandzugmesser (VFK 0132)	Tape tension meter (VFK 0132)	75987 - 262.74
Kontaktor (0,1N...1N)	Tension gauge (0.1N...1N)	72001 - 401.00
Kontaktor (0,5N...5N)	Tension gauge (0.5N...5N)	72001 - 403.00
Einstellschraubendreher	Post adjustment screw driver	75987 - 262.80
Sechskant-Stiftschlüssel 2mm	Hexagonal wrench 2mm	72004 - 082.00
Testcassette	Test cassette	9.27540 - 1011
Testcassette (HiFi)	Test cassette (HiFi)	9.27540 - 1016

Die Meßmittel können Sie über die Serviceorganisation beziehen. Wir weisen jedoch darauf hin, daß diese z.T. bereits am Markt eingeführt sind.

You can order the test equipments from the Service organization. We refer to you that these test equipments are already obtainable on the market.

1. Absenken des Cassettenschachtes von Hand (ohne Cassette)

- Netzstecker ziehen.
- Riemenscheibe (137) ca. 3 Umdrehungen im Uhrzeigersinn drehen.
- Sicherungshebel (P) ausrasten (Fig. 1).
- Riemenscheibe (137) um eine Umdrehung weiterdrehen.
- Hebel (Q) nach unten drücken und Sicherungshebel (P) erneut ausrasten.
- Cassettenschacht durch Weiterdrehen der Riemenscheibe (137) vollständig absenken

1. Lowering the Cassette Compartment by Hand (without cassette)

- Disconnect the machine from mains.
- Rotate the drive belt pulley (137) approx. 3 revolutions in the clockwise direction.
- Release the locking lever (P) (Fig. 1).
- Rotate the drive belt pulley (137) by one more revolution.
- Push the lever (Q) down and release the locking lever (P) once again.
- Lower the cassette compartment fully by rotating the drive belt pulley (137) further in a clockwise direction.

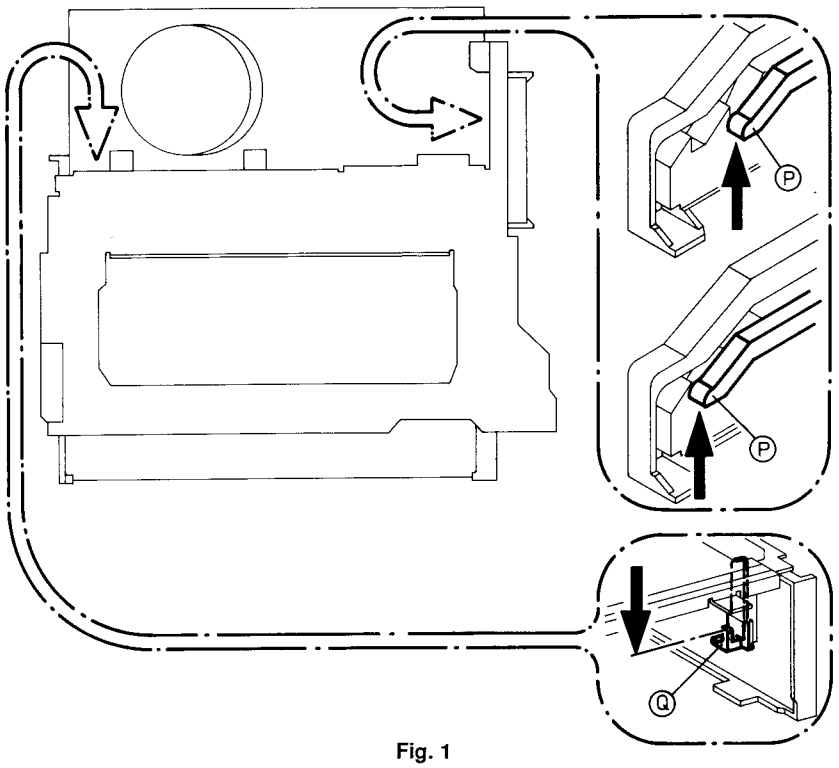


Fig. 1

2. Cassettenauswurf von Hand

a) Netzstecker ziehen
b) Umstellhebel (122) durch Drücken in Pfeilrichtung (Fig. 2) ausrasten.
c) Capstanrotor langsam gegen den Uhrzeigersinn drehen, bis die Kupplungsscheibe (116) einrastet.
d) Schritte b) und c) wiederholen bis die Cassette ausgeworfen wird.

2. Ejecting the Cassette by Hand

a) Disconnect the machine from the mains.
b) Disengage the change-over lever (122) by pressing it in the direction of the arrow (Fig. 2).
c) Rotate the capstan rotor slowly anti-clockwise until the clutch disk (116) locks.
d) Repeat steps b) and c) until the cassette is ejected.

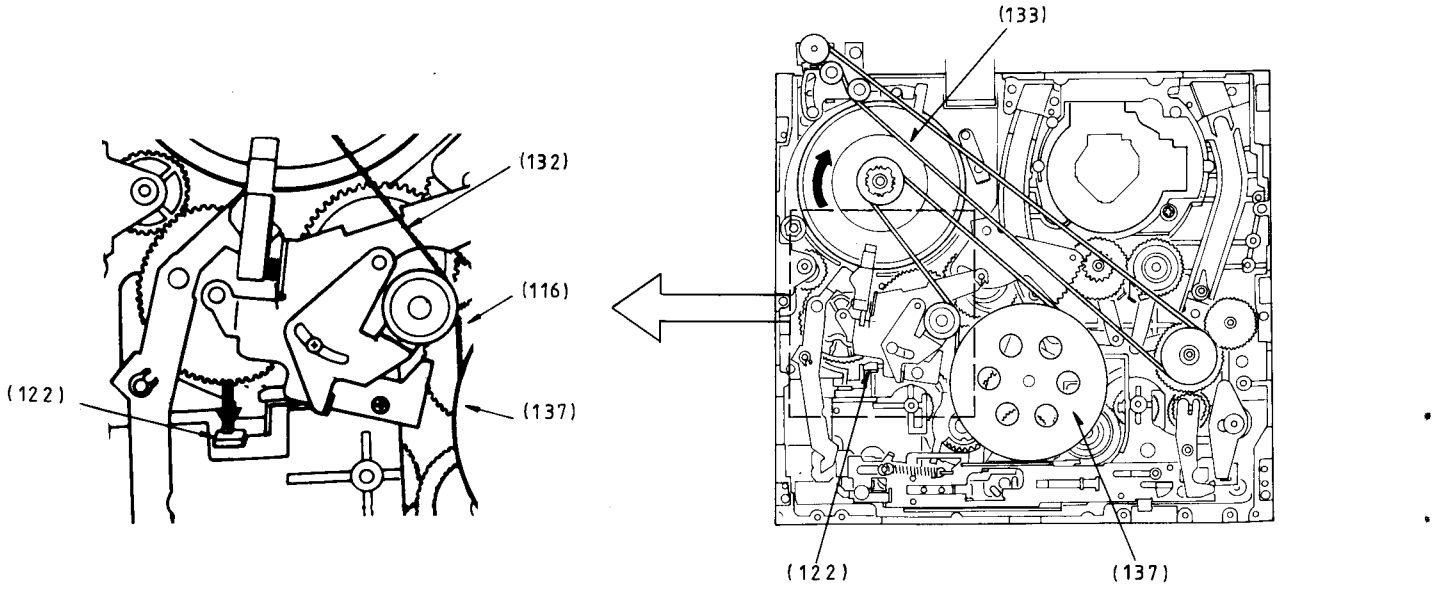


Fig. 2

3. Ausbau des Cassettenschachts

- 2 Schrauben "A" herausdrehen (Fig. 3).
- Cassettenschacht durch Drehen des Capstanrotors (133) im Uhrzeigersinn soweit bewegen, bis die 2 Schrauben "B" entfernt werden können.
- Steckverbindung P1508 abziehen und Cassettenschacht herausnehmen.

4. Einbau des Cassettenschachtes

- Umstellhebel (122), Fig. 2, oder Kern der Spule (66), Fig. 4, in Pfeilrichtung drücken, um die Verriegelung zu öffnen.
- Capstanrotor entgegen dem Uhrzeigersinn drehen bis die Mechanik die Stellung "Auswerfen" erreicht hat (Endanschlag).
- Lage des Markierungslochs (a) oder der Markierungsnase (d) des Zwischenrades (65) merken (Fig. 5) und Capstanrotor in entgegengesetzter Richtung solange drehen, bis das Zwischenrad (65) eine Umdrehung entgegen dem Uhrzeigersinn gemacht hat.
- Cassettenschacht soweit verschieben, bis der 2. Zahn der Zahnstange (224) über dem rechtwinkligen Loch "C" liegt (Fig. 6).
- Gegebenenfalls 2 Schrauben "D" herausdrehen und Abdeckplatte (201) entfernen, sodaß die Zahnstange (224) und das Zwischenrad (65) beim Einbau zu sehen sind.
- Cassettenschacht so in das Laufwerk einsetzen, daß der 2. Zahn der Zahnstange (224) in der 5. Zahnlücke des Zwischenrades (65) eingreift (Fig. 7). Gegebenenfalls Cassettenschacht geringfügig verschieben.
- Abdeckplatte (201) montieren und die 6 Schrauben in der Reihenfolge "D", "A", "B" eindrehen (Fig. 3, Fig. 6)
- Steckverbindung P 1508 kontaktieren

Hinweis:
Falls die Schachtfunktionen nicht richtig ausgeführt werden, Einbau wiederholen.

3. Removing the Cassette Compartment

- Remove the 2 screws "A" (Fig. 3).
- Rotate the capstan rotor (133) to move the cassette compartment so that it is possible to remove the 2 screws "B".
- Pull out the plug-type connector P1508 and remove the cassette compartment.

4. Refitting the Cassette Compartment

- Press the change-over lever (122), Fig. 2, or the core of the solenoid (66), Fig. 4, in the direction of the arrow to disengage the lever.
- Rotate the capstan rotor in the anti-clockwise direction until the mechanics reaches the "Eject" position (end stop).
- Note the position of the marking hole (a) or the marking lug (d) on the intermediate gear (65), Fig. 5, and rotate the capstan rotor in the opposite direction until the intermediate gear (65) makes one complete revolution in anti-clockwise direction.
- Move the cassette compartment so that the 2nd tooth of the toothed rack (224) is positioned over the right angled hole "C" (Fig. 6).
- If necessary, remove the 2 screws "D" and remove the top plate (201) so that the toothed rack (224) and the intermediate gear (65) can be seen during assembly.
- Insert the cassette compartment into the mechanics so that the 2nd tooth of the toothed rack (224) engages with the 5th tooth space of the intermediate gear (65) (Fig. 7). If necessary move the cassette by a small amount.
- Fit the top plate (201) and tighten the 6 screws in the sequence "D", "A", "B" (Fig.3, Fig.6).
- Reconnect the plug connector P1508.

Note:
If the functions of the cassette compartment are not carried out correctly, repeat the assembly procedure.

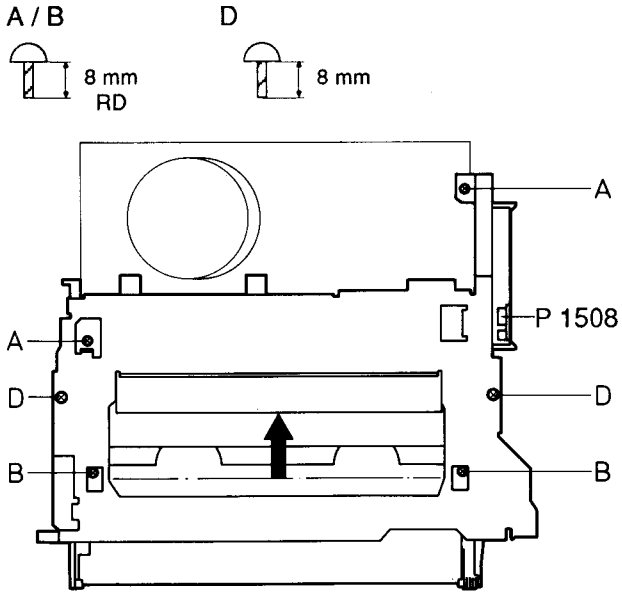


Fig. 3

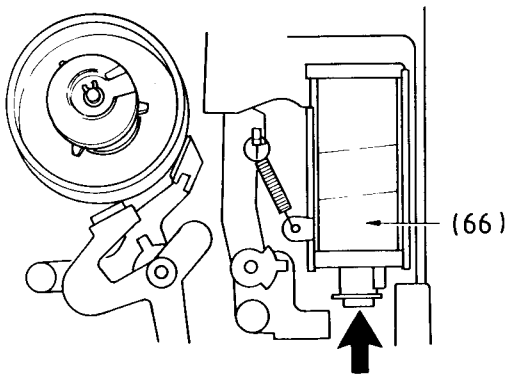


Fig. 4

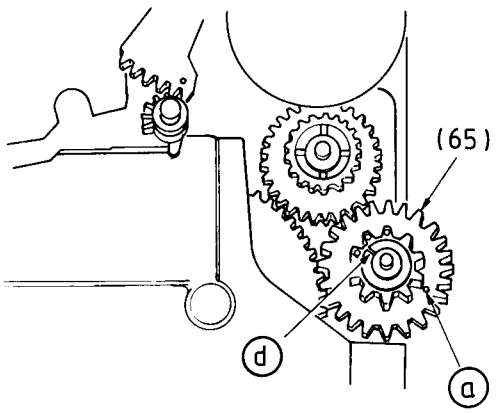


Fig. 5

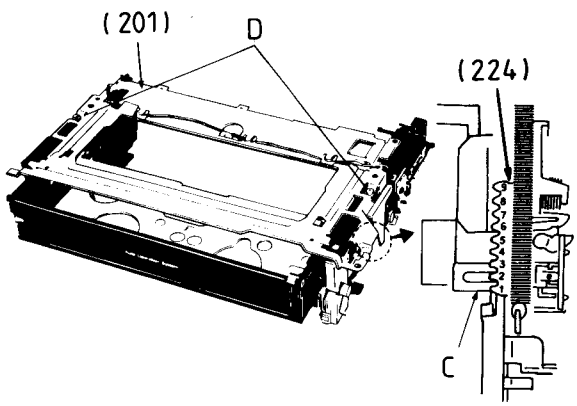


Fig. 6

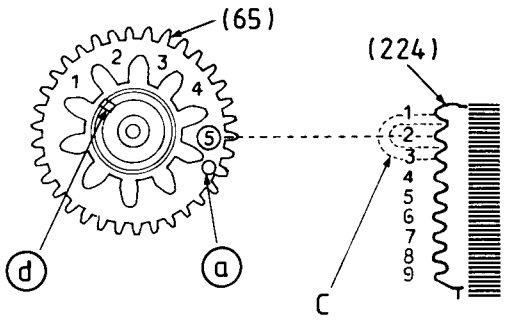


Fig. 7

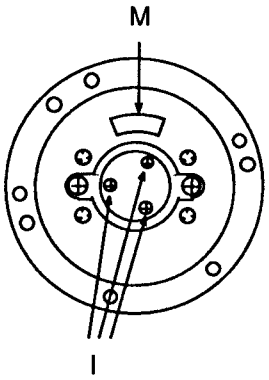


Fig. 8

5. Arbeiten am Bandtrommelbaustein
5.1 Austausch der Kopfscheibe (7)

Servicemittel: Kopfscheibenabzieher
Achtung:
- Die Kopfscheibe sitzt sehr fest auf der Antriebsachse. Arbeiten Sie deshalb mit äußerster Sorgfalt und berühren Sie die Videoköpfe nicht!
- Wenn sich nach dem Einbau die weißen Flächen "M" (Fig. 12) nicht decken, erfolgt die Wiedergabe vorher durchgeführter Aufnahmen in Schwarz / Weiß!
- Die 3 Schrauben "I" nicht lösen (Fig. 8)!

Ausbau:
- Schrauben "F", "H" herausdrehen und Erdungsfeder (5) entfernen (Fig. 9 / Fig. 10).
- Kopfscheibenanschlüsse "K" entlöten, Außenring der Kopfscheibe (7) leicht anwärmen (z.B. Fön) und Kopfscheibe (7) vorsichtig abziehen (Fig. 10).
  Gegebenenfalls Kopfscheiben-Abziehvorrichtung verwenden (Fig.11). Hierzu die Abziehvorrichtung in den Gewindelöchern "L" der Kopfscheibe befestigen und den Handgriff im Uhrzeigersinn drehen bis die Kopfscheibe von der Achse abgezogen ist.

Einbau:
- Kopfscheibe (7) so auf die Antriebsachse stecken, daß sich die weißen Flächen "M" decken (Fig. 12).
- Schrauben "H" eindrehen und Erdungsfeder (5) montieren.
- Kopfscheibenanschlüsse "K" anlöten.

5. Working on the Tape Drum Module
5.1 Replacing the Head Wheel (7)

Service Aid: Head Wheel Extractor
Attention:
- The Head Wheel is fitted very tightly onto the drive shaft. Therefore, when carrying out service work be very careful and especially ensure that the video heads are not touched!
- If, after reassembly, the white areas "M" (Fig. 12) do not coincide, previous recordings on the tape will be reproduced on playback in black and white!
- Do not loosen the 3 screws "I" (Fig. 8)

Removing:
- Remove the screws "F" and "H" and then the earthing spring (5) (Fig. 9 / Fig. 10).
- Unsolder the head wheel connections "K". Warm up the outer ring of the head wheel (e.g. Hairdryer) and pull the head wheel (7) off carefully (Fig. 10).
- If necessary use the head wheel extractor (Fig.11). For this locate the extractor into the holes "L" drilled in the head wheel and rotate the handle in the clockwise direction until the head wheel is pulled off the shaft.

Refitting:
- Fit the head wheel (7) onto the shaft so that the white areas "M" coincide (Fig.12).
- Refit the screws "H" and the earthing spring (5) with screw "F".
- Resolder the head wheel connections "K".

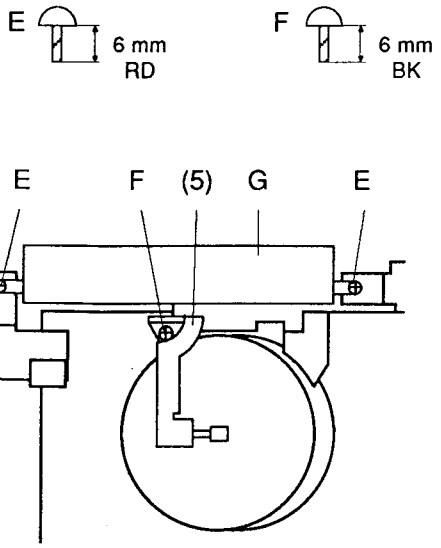


Fig. 9

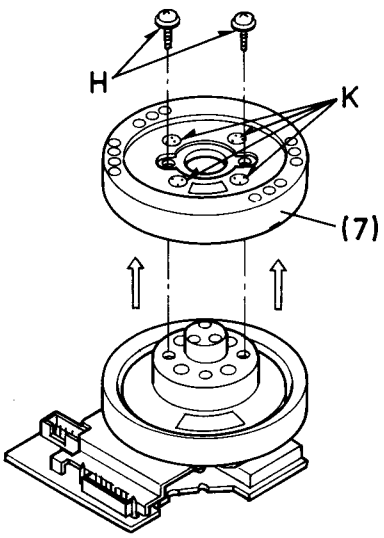


Fig. 10

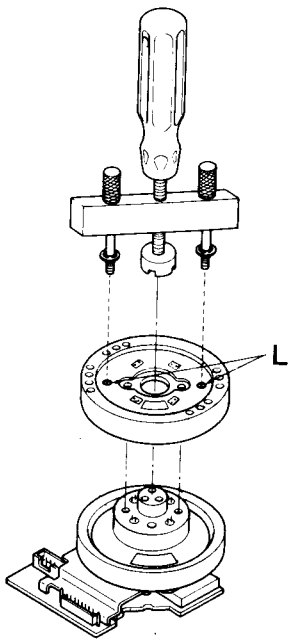


Fig. 11

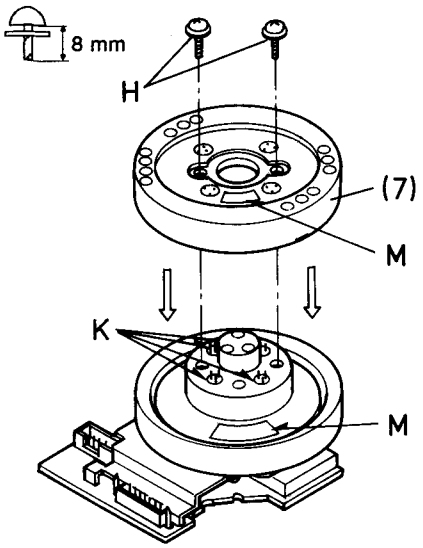


Fig. 12

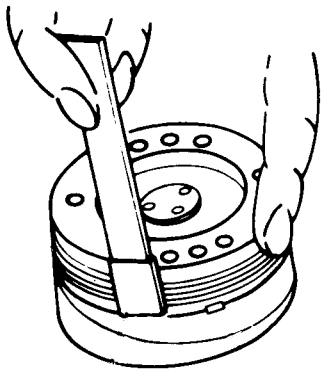


Fig. 13

5.2 Reinigen der Kopfscheibe

- Kopfscheibe festhalten und Videoköpfe mit einem spiritusgetränkten Reinigungsstäbchen in Bandlaufrichtung vorsichtig abreiben (Fig.13).

5.3 Austausch des Bandtrommelbausteins

Ausbau des Bandtrommelbausteins (6)
- 3 Schrauben "E" und "F" herausdrehen (Fig. 9).
- Kopfverstärker "G" und Erdungsfeder (5) entfernen.
- Steckverbindungen lösen.
- 3 Schrauben "N" entfernen (Fig. 14) und Bandtrommelbaustein (6) vorsichtig aus dem Laufwerk ziehen.

Einbau des Bandtrommelbausteins (6)
- Bandtrommelbaustein (6) ins Laufwerk stecken und 3 Schrauben "N" eindrehen (Fig. 14).
- Erdungsfeder (5) mit Schraube "F" befestigen (Fig. 9).
- Kopfverstärker "G" und Steckverbindungen kontaktieren.
- 2 Schrauben "E" eindrehen
- Bandlauf- / Kompatibilitätseinstellung prüfen (Kap. 6.8)

5.4 Austausch der Kopfscheiben-Motorsteuerplatte

- Bandtrommelbaustein gemäß Kap. 5.3 ausbauen.
- Lötstelle "O" öffnen und Abschirmung entfernen (Fig. 15).
- 18 Lötstellen "P", einschließlich der 10 in der Abbildung Fig. 15 nicht sichtbaren, öffnen.
- 2 Schrauben "Q" herausdrehen und Kopfscheiben-Motorsteuerplatte entfernen.

Der Einbau erfolgt in umgekehrter Reihenfolge.

5.2 Cleaning the Head Wheel

- Hold the head wheel stationary and clean the video heads with a cleaning stick soaked with spirit by wiping carefully in the direction of the tape transport (Fig.13).

5.3 Replacing the Tape Drum Module

Removing the Tape Drum Module (6)
- Remove the 3 screws "E" and "F" (Fig. 9).
- Remove the head amplifier "G" and the earthing spring (5).
- Loosen the plug connectors.
- Remove the 3 screws "N" (Fig. 14) and pull the Tape Drum Module (6) carefully out of the mechanics.

Refitting the Tape Drum Module (6)
- Place the Tape Drum Module (6) into the mechanics and tighten the 3 screws "N" (Fig. 14).
- Refit the earthing spring (5) with the screw "F" (Fig. 9).
- Reconnect the Head Amplifier "G" and the plug connectors.
- Refit the 2 screws "E".
- Check the Tape Transport/Compatibility Adjustment (para 6.8)

5.4 Replacing the Head Wheel-Motor Drive Panel

- Remove the Tape Drum Module as described in para 5.3.
- Unsolder the solder pads "O" and remove the screen (Fig. 15).
- Open the 18 solder connections "P" including the 10 not visible in the illustration (Fig. 15).
- Undo the 2 screws "Q" and remove the Head Wheel-Motor Drive Panel.

For reassembly, reverse the sequence.

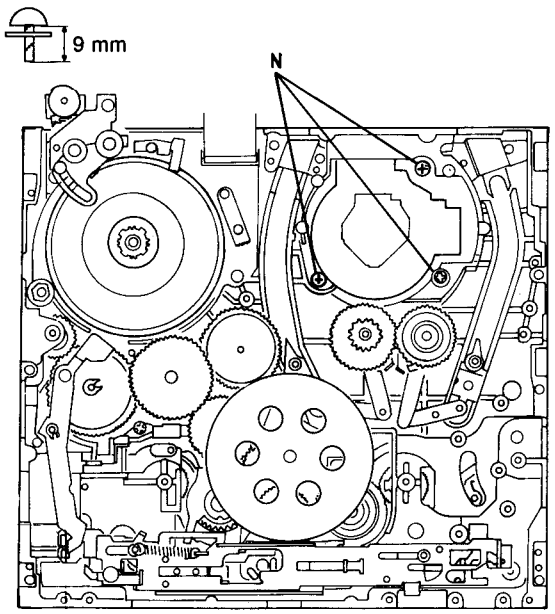


Fig. 14

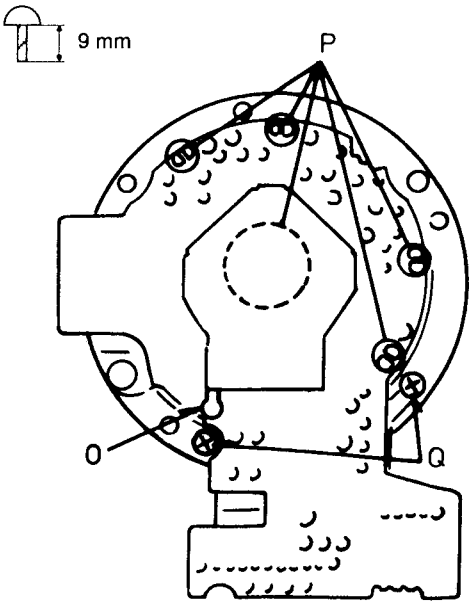


Fig. 15

5.5 Austausch des Kopfscheiben-Motorsteuer-IC´s

- Kopfscheiben-Motorsteuerplatte gemäß Kapitel 5.4 ausbauen.
- Schraube "R" (Fig. 16) und Kühlblech entfernen.
- IC auslöten.

Der Einbau erfolgt in umgekehrter Reihenfolge.

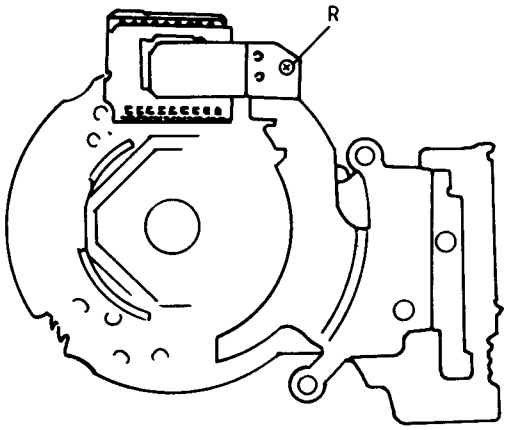


Fig. 16

5.5 Replacing the Head Wheel-Motor Drive IC

- Remove the Head Wheel-Motor Drive Panel as described in para 5.4.
- Release the screw "R" (Fig. 16) and the heat sink.
- Unsolder the IC.

For reassembly, reverse the sequence.

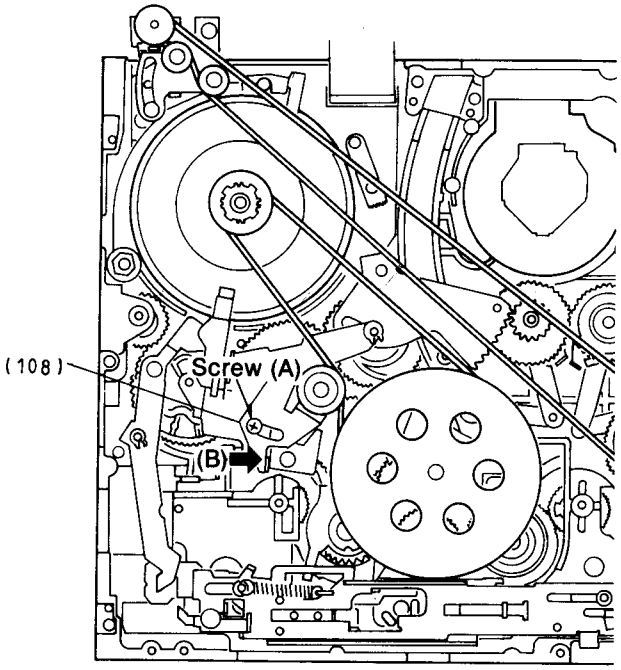


Fig. 17

6. Mechanische Einstellungen

6.1 Einstellen der Riemenspannung des Capstanmotors

Meßmittel: Kontaktor (0,1N - 1N)

- Schraube (A) lösen (Fig. 17).
- Kontaktor am Punkt (B) ansetzen und Spannrollenhebel (108) in Pfeilrichtung (B) drücken.
- Zeigt die Skala des Kontaktors 0,4 N ± 0,05 N (Einstellwert) an, Schraube (A) anziehen.

6.2 Einstellen der Riemenspannung des Umspulmotors

Meßmittel: Kontaktor (0,5N - 5N)

- Schraube (C) lösen (Fig. 18).
- Kontaktor am Punkt (D) ansetzen und Spannrollenhebel (93) in Pfeilrichtung (D) drücken.
- Zeigt die Skala des Kontaktors 2,25 N ± 0,25 N (Einstellwert) an, Schraube (C) anziehen.

6. Mechanical Adjustments

6.1 Adjusting the Belt Tension of the Capstan Motor

Service Aid: Tension gauge (0.1N - 1N)

- Loosen the screw (A), (Fig. 17).
- Fit the Tension Gauge to point (B) and press the tension roller lever (108) in the direction of the arrow (B).
- When the Tension Gauge indicates 0.4 N ± 0.05 N (Specified Value), tighten the screw (A).

6.2Adjusting the Belt Tension of the Capstan Motor

Service Aid: Tension gauge (0,5N - 5N)

- Loosen the screw (C), (Fig. 18)
- Fit the Tension Gauge to point (D) and press the tension roller lever (93) in the direction of the arrow (D).
- When the Tension Gauge indicates 2.25 N ± 0.25 N (Specified Value), tighten the screw (C).

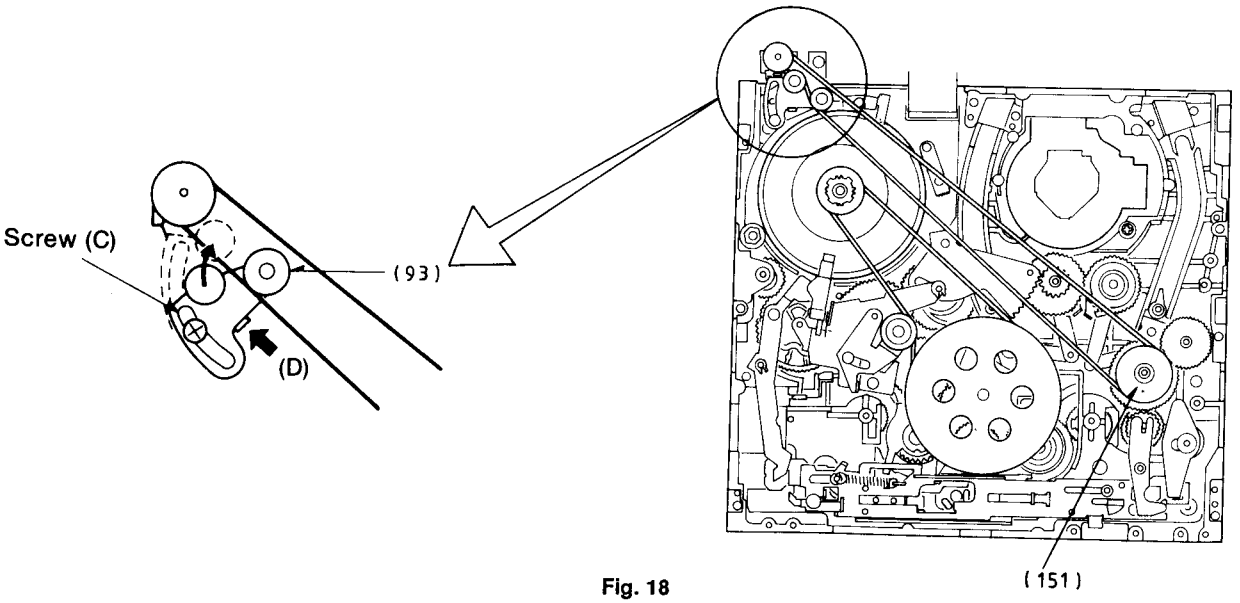


Fig. 18

6.3 Lageeinstellung des Bandzugfühlers

Meßmittel: Referenzplatte, Sechskantstiftschlüssel 2mm

- Gerät vom Netz trennen.
- Cassettenschacht ausbauen (Kap. 3).
- Umstellhebel (122) drücken und Capstanrotor (133) im Uhrzeigersinn drehen bis der Einfädelvorgang abgeschlossen ist (Fig. 19). Dabei den Umschalthebel (122) wiederholt ausrasten.
- Referenzplatte auflegen.
- Exzenter "S" der Bremsbandbefestigung mit dem Sechskantstiftschlüssel so einstellen, daß der Bandzugbolzen "T" gerade die Referenzplatte berührt (Fig. 20).
- Referenzplatte entfernen und Capstanrotor (133) solange entgegen dem Uhrzeigersinn drehen, bis ausgefädelt ist. Dabei den Umschalthebel (122) wiederholt ausrasten.
- Cassettenschacht einbauen (Kap. 4).

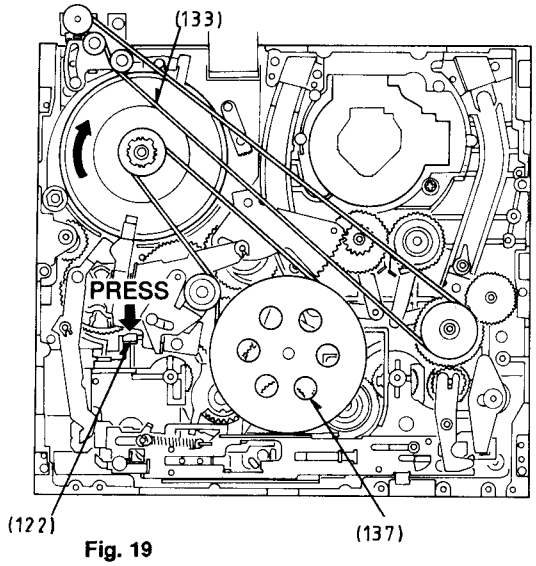


Fig. 19

6.3 Adjustment of the Tape Tension Sensor position

Service Aid: Tension post adjustment plate, Hexagon Wrench (Allen Key) 2mm

- Disconnect the recorder from the mains.
- Remove the cassette compartment (para 3)
- Press the change-over lever (122) and rotate the capstan rotor (133) in the clockwise direction until the loading-in process is completed (Fig. 19). In doing so, disengage the change-over lever (122) repeatedly.
- Fit the Tension Post Adjustment Plate.
- Adjust the cam "S" on the brake band securing point with the hexagon wrench so that the tape tension bolt "T" just touches the Tension Post Adjustment Plate (Fig. 20).
- Remove the Tension Post Adjustment Plate and rotate the capstan rotor (133) in the anti-clockwise direction until the mechanics unloads. In doing so, disengage the change-over lever (122) repeatedly.
- Refit the cassette compartment (para 4).

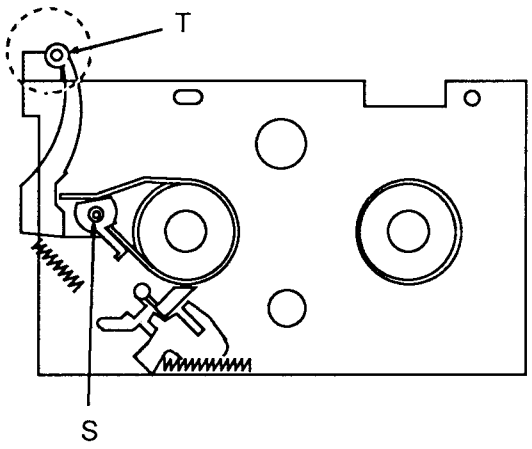


Fig. 20

6.4 Messen und Einstellen des Bandzuges

Meßmittel: Bandzugmesser, A/W-Cassette E 120

- A / W-Cassette E 120 vom Bandanfang an abspielen
- Nach ca. 20 Sekunden den Bandzugmesser "BZ" nach Fig.21 in den Bandlauf einfügen.
- Weicht der abgelesene Bandzug vom Sollwert 0,2 N ... 0,25 N ab, den Bandzug durch Umhängen der Feder (12) auf den Sollwert einstellen (Fig. 22).

Hinweis: Während der Messung müssen die Fühler des Bandzugmessers guten Kontakt zum Band haben. Messung mehrmals wiederholen.

6.4 Measuring and Adjusting the Tape Tension

Service Aids:
Tape tension meter, Record / Playback cassette E120

- Playback the R/P Cassette E120 from the beginning.
- After about 20 seconds fit the Tape Tension Meter "BZ" as shown in Fig. 21.
- If the measured value is different from the specified value of 0.2N ... 0.25N, relocate the spring (12) to obtain the specified value (Fig. 22).

Note: When making measurements, ensure that the probes of the meter are in good contact with the tape. Repeat this measurement several times.

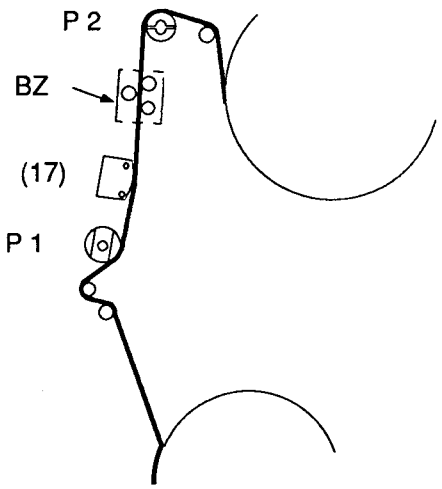


Fig. 21

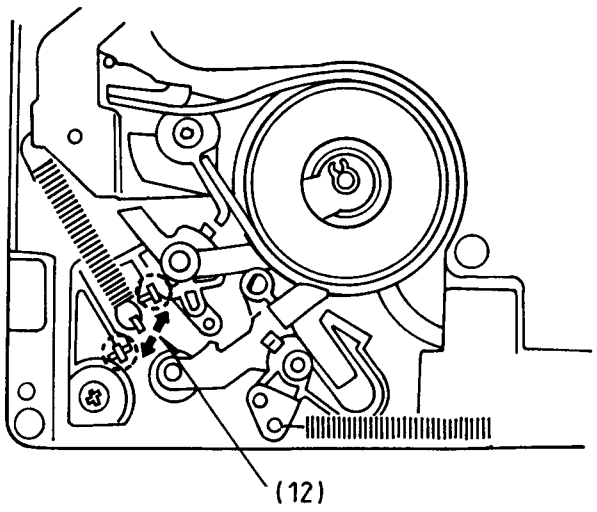


Fig. 22

6.5 Einstellen des Capstanrotors (133)

Meßmittel: Höhenmeßuhr, Höhenlehre
- Einstellschraube (41), Fig. 23, soweit herausdrehen, bis sich Capstanstator (135) und -rotor (133) gerade berühren.
- Höhenlehre "U" auf den Capstanrotor (133) legen und Höhenmeßuhr nach Abbildung Fig. 24 auf dem geschliffenen Laufwerkrand positionieren. Skala der Höhenmeßuhr auf Null stellen.
- Mit der Einstellschraube (41) Abstand zwischen Capstanrotor (133) und -stator (135) auf 0,5 mm...0,55 mm einstellen (Fig. 25).

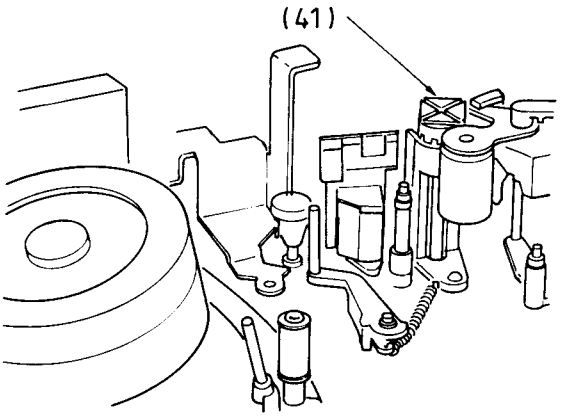


Fig. 23

6.5 Adjusting the Capstan Rotor (133)

Service Aids: Dial Height Gauge, Height Gauge
- Loosen the adjustment screw (41), Fig. 23, until the capstan stator (135) just touches the rotor (133).
- Place the Height Gauge "U" onto the capstan rotor (133) and the Dial Height Gauge as shown in Fig. 24 onto the smooth area on the edge of the mechanics. Set the pointer of the Dial Height Gauge to zero.
- With the adjustment screw (41) adjust the distance between the capstan rotor (133) and the stator (135) to 0.5mm...0.55mm (Fig. 25).

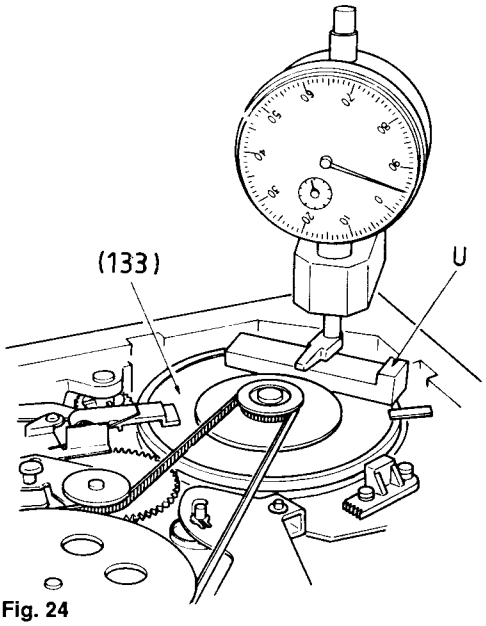


Fig. 24

6.6 Höheneinstellung der Wickelteller

Meßmittel: Einstellplatte, Höhenmeßuhr
- Cassettenschacht ausbauen (Kap. 3).
- Einstellplatte auf die Wickelteller legen.
- Höhenmeßuhr so auf die Einstellplatte legen, daß deren Meßfuß im ausgearbeiteten Teil der Einstellplatte aufsitzt (Fig. 26).
- Skala der Höhenmeßuhr auf Null stellen
- Höhe der Wickelteller (14), (71) messen (Fig. 27).
- Wenn der gemessene Wert mehr als ± 0,2mm vom eingestellten Nullwert der Skala abweicht, Wickeltellerhöhe durch Austauschen der Unterlegscheiben einstellen. Folgende Unterlegscheiben sind lieferbar:

6.6 Height Adjustment of the Spool Carriers

Service Aid: Post Adjustment Plate, Dial Height Gauge
- Remove the cassette compartment (para 3)
- Place the Post Adjustment Plate onto the spool carrier.
- Place the Dial Height Gauge onto the Post Adjustment Plate so that the measuring probe of the Dial Height Gauge locates into the cut-out provided on the Post Adjustment Plate (Fig. 26).
- Set the pointer of the Dial Hight Gauge to zero.
- Measure the height of the spool carrier (14), (71)- (Fig. 27).
- If the measured value differs from the zero Value of the pointer by more than ± 0.2mm, readjust the spool carrier height by replacing the shim washer. The following shim washers are available:

Unterlegscheibe / Washer / Rondella	Sachnummer / Part Number / No. ordine
0,2 mm 0,3 mm 0,5 mm	75 986 - 208.21 75 986 - 208.22 75 986 - 208.23

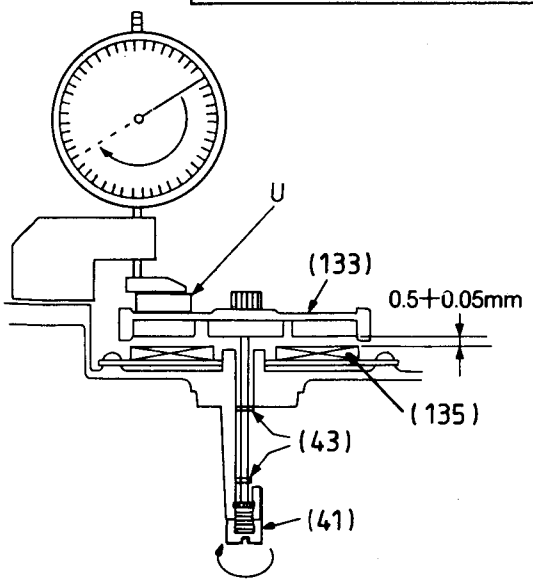


Fig. 25

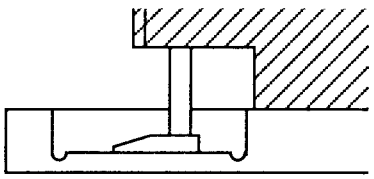


Fig. 26

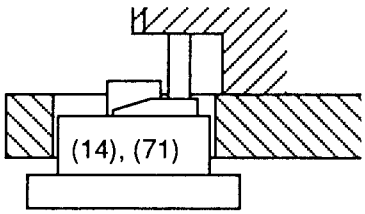


Fig. 27

6.7 Statische Höheneinstellung der Bandbolzen P2, P3 und P5

Meßmittel: Einstellplatte, Höhenmeßuhr, Einstellschraubendreher

Vorbereitung:
- Cassettenschacht ausbauen (Kap. 3)
- Einstellplatte nach Abbildungen Fig. 28 / 31 auf die Wickelteller legen.

6.7.1 Bandführungsbolzen P2, P3

- Höhe der Bandführungsbolzen P2 / P3 so einstellen, daß der untere Führungsbund unter der Oberkante der Einstellplatte liegt (Fig. 29).
- Höhenmeßuhr nach Abbildung Fig. 29 plazieren und Anzeige auf Null stellen. Anschließend Bandführungsbolzen soweit hochdrehen, bis der untere Führungsbund gerade den Meßfühler der Höhenmeßuhr berührt (Fig. 30).
- Schraube "V" nicht lösen! Sie dient zur Neigungseinstellung der Führungsbolzen P2, P3.
- Statische Höheneinstellung kontrollieren (Kap. 6.7.3).

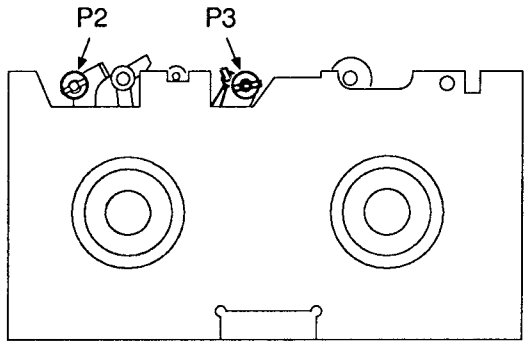


Fig. 28

6.7 Static Height Adjustment of Tape Bolts P2, P3 and P5

Service Aids: Post Adjustment Plate, Dial Height Gauge, Post Adjustment screw driver

Preparations:
- Remove the cassette compartment (para 3)
- Place the Post Adjustment Plate onto the spool carrier as shown in Fig. 28 / 31.

6.7.1 Tape Guide Bolts P2, P3

- Adjust the height of the Tape Guide Bolts P2, P3 so that the lower guide collar lies below the upper edge of the Post Adjustment Plate (Fig. 29).
- Place the Dial Height Gauge as shown in Fig. 29 and set the pointer to zero. Afterwards adjust to raise the height of the Tape Guide Bolts so that the lower guide collar just touches the measuring probe of the Dial Height Gauge (Fig. 30).
- Do not loosen screw "V"! This screw is only for adjusting the tilt of the Guide Bolts P2, P3.
- Check the Static Height Adjustment (para 6.7.3).

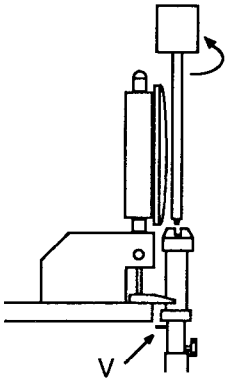


Fig. 29

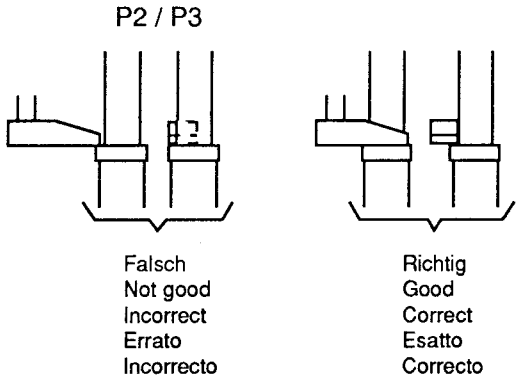


Fig. 30

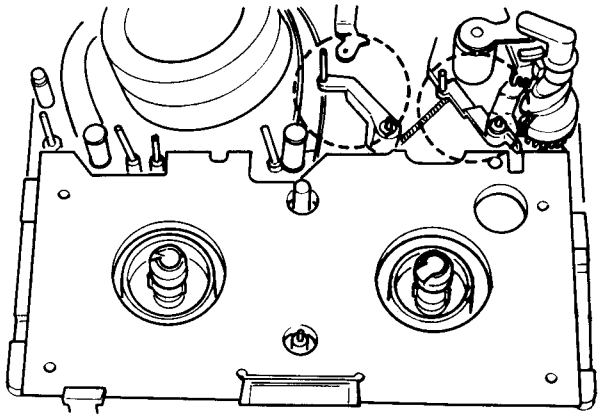


Fig. 31

6.7.2 Bandauszugsbolzen P5

Hinweis: Einstellmutter (52) des Bandauszugsbolzens P5 nur zu Justagezwecken verdrehen!
- Capstanrotor soweit entgegen dem Uhrzeigersinn drehen, bis die in Abbildung Fig. 31 gezeigte Laufwerkstellung erreicht ist.
- Höhenmeßuhr nach Abbildung Fig. 32 auf die Einstellplatte stellen und Skala auf "Null" eichen.
- Höhenmeßuhr nach Abbildung Fig. 33 am unteren Führungsbund des Bandauszugsbolzens P5 auflegen und mit der Einstellmutter (52) die Anzeige der Höhenmeßuhr auf 0,03 mm ±0,01 mm einstellen.
- Statische Höheneinstellung kontrollieren (Kap. 6.7.3).

6.7.2 Tape Pull-Out Bolt P5

Note: The Adjustment Nut (52) on the Tape Pull-out Bolt P5 must be turned for adjustment purposes only!
- Rotate the capstan rotor in the anti-clockwise direction until the mechanics reaches the position shown in Fig. 31.
- Place the Dial Height Gauge onto the Post Adjustment Plate as shown in Fig. 32 and adjust the pointer to zero.
- Place the Dial Height Gauge as shown in Fig. 33 onto the lower guide collar of the Tape Pull-out Bolt P5 and adjust the nut (52) until the pointer of the Dial Height Gauge indicates 0.03 mm ± 0.01 mm.
- Check the Static Height Adjustment (para 6.7.3).

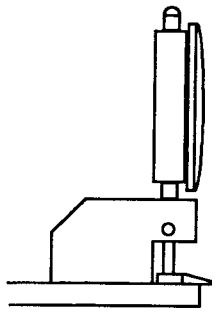


Fig. 32

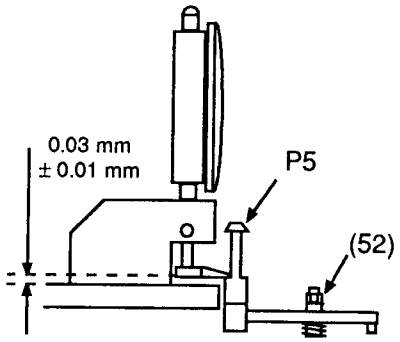


Fig. 33

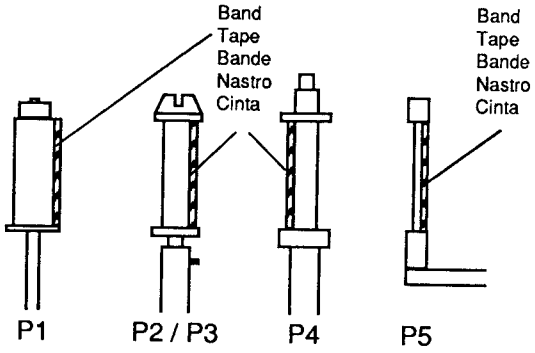


Fig. 34

6.7.3 Kontrolle der statischen Höheneinstellung

- Cassettenschacht einbauen (Kap. 4).
- A / W - Cassette wiedergeben.
- Prüfen, ob das Band an den Bolzen P1, P2, P3, P4 und P5 ohne zu bördeln läuft (Fig. 34...Fig. 36).
- Gegebenenfalls Höhenjustage Kap. 6.7.1 und 6.7.2 wiederholen.
- Dynamische Einstellung der Bandführungsbolzen P2, P3 prüfen (Kap. 6.8.1)

6.7.3 Checking the Static Height Adjustment

- Refit the cassette compartment (para 4).
- Playback a record / playback cassette.
- Check that the tape runs past the Bolts P1, P2, P3, P4 and P5 without crinkling (Fig. 34 ... Fig. 36).
- If necessary, repeat the height adjustment as described in paras 6.7.1 and 6.7.2.
- Check the Dynamic Adjustment of the Tape Guide Bolts P2, P3 (para 6.8.1).

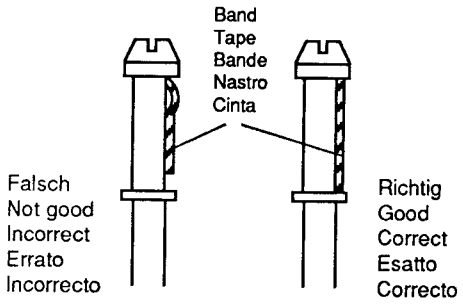


Fig. 35

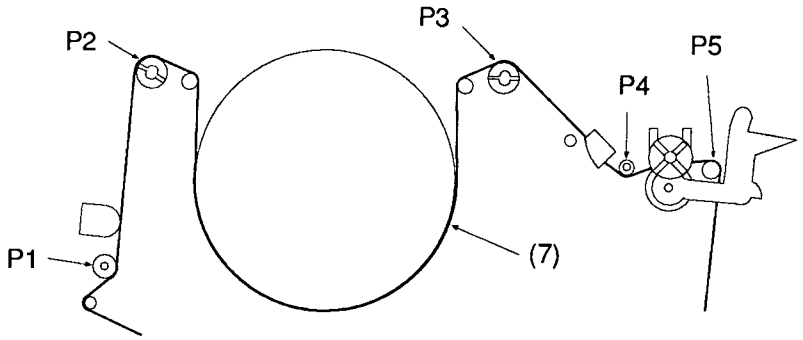


Fig. 36

6.8 Bandlaufeinstellung / Kompatibilitäts-einstellung

Diese Einstellungen sind grundsätzlich nach Tausch des Audio-/ Synchronkopfes (A/C), der Andruckrolle oder nach Justage der Bolzen P2, P3, P5 durchzuführen bzw. zu überprüfen. Dabei muß folgende Reihenfolge eingehalten werden:

6.8.1 Dyn. Einstellung der Bolzen P2, P3
6.8.2 Einstellen der Neigung des A/C -Kopfes
6.8.3 Höheneinstellung des A/C-Kopfes
6.8.4 Azimut-Einstellung des A/C-Kopfes
6.8.5 Einstellen der horizontalen Lage des A/C-Kopfes

6.8 Tape Transport Adjustment / Compatibility Adjustment

These adjustments must be carried out or checked in every case after every replacement of the A/C head, the Pressure Roller or after adjusting the Bolts P2, P3, P5. The following sequence must be adhered to:

6.8.1 Dynamic adjustment of the Bolts P2, P3
6.8.2 Tilt adjustment of the A/C Head
6.8.3 Height adjustment of the A/C Head
6.8.4 Azimuth adjustment of the A/C Head
6.8.5 Horizontal position adjustment of the A/C Head

6.8.1 Dynamische Einstellung der Bolzen P2, P3

Meßmittel: Testcassette, Oszilloskop

- Oszilloskop nach Abbildung Fig. 37 anschließen:
  Tastkopf 1 an TP 1
  Tastkopf 2 an TP 2
- Testcassette wiedergeben (Tracking in Mittelstellung)
- Falls sich Hüllkurven wie die Beispiele "A" und "B" in Abbildung Fig. 38 zeigen, Hüllkurve mit dem Einlauf-Bandführungsbolzen P2 nach Abbildung Fig. 38 - "E" einstellen.
- Falls sich Hüllkurven wie die Beispiele "C" oder "D" in Abbildung Fig. 38 zeigen, Hüllkurve mit Auslauf-Bandführungsbolzen P3 nach Abbildung Fig. 38 - "E" einstellen.
- Trackingeinstellung nach "+" und "-" variieren. Dabei sollen die Hüllkurvenränder parallel zusammenlaufen (Fig. 39).
- Tracking auf maximale Hüllkurvenamplitude einstellen. Diese muß folgende Grenzwerte einhalten (Fig. 40):
  V1 / V ≥ 0,7 ; V2 / V ≥ 0,8
- Gegebenenfalls Einstellung wiederholen.

6.8.1 Dynamic adjustment of the Bolts P2, P3

Service Aids: Test Cassette, Oscilloscope

- Connect the oscilloscope as shown in Fig. 37:
  Test Probe 1 to TP 1
  Test Probe 2 to TP 2
- Playback the test cassette (tracking to mid setting).
- If the FM envelopes are displayed as shown in examples "A" and "B" in Fig. 38 adjust with the Run-in Tape Guide Bolt P2 so that the FM envelopes are as shown in Fig. 38 - "E".
- If the FM envelopes are displayed as shown in example "C" or "D" in Fig. 38, adjust with the Run-out Tape Guide Bolt P3 so that the FM envelopes are as shown in Fig. 38 - "E".
- Vary the Tracking in the "+" and "-" directions. When doing so the FM envelope should show parallel converging lines (Fig. 39).
- Adjust the tracking to obtain maximum FM envelope amplitude. This must produce the following basic values (Fig. 40):
  V1 / V ≥ 0.7 ; V2 / V ≥ 0.8
- If not obtained repeat these adjustments.

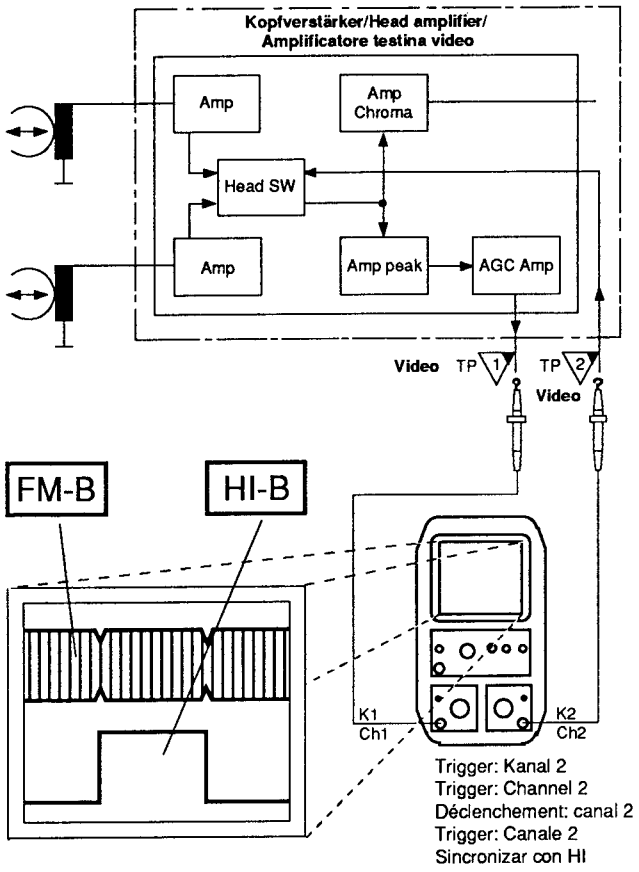


Fig. 37

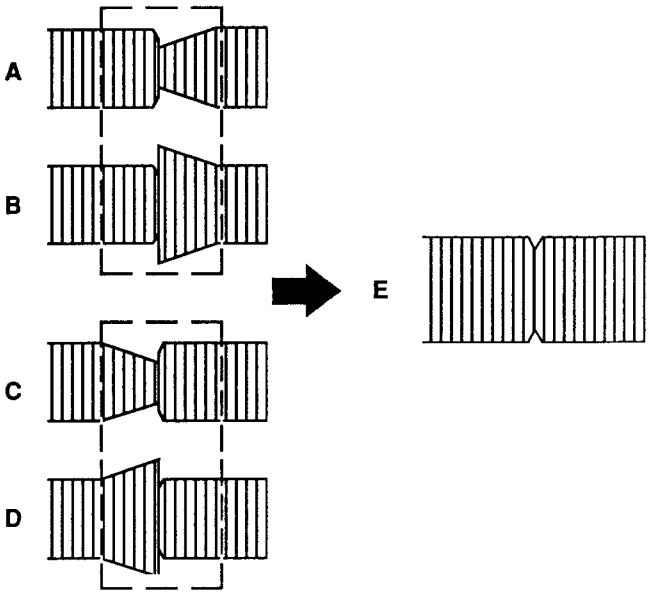


Fig. 38

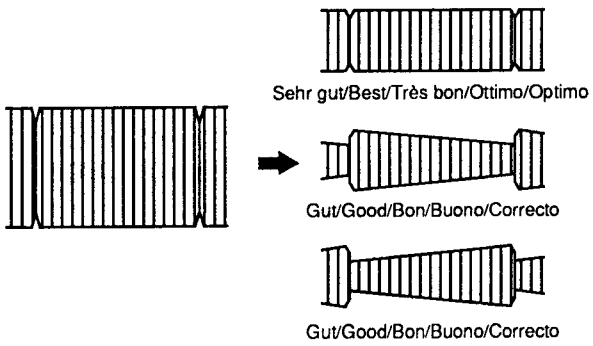


Fig. 39

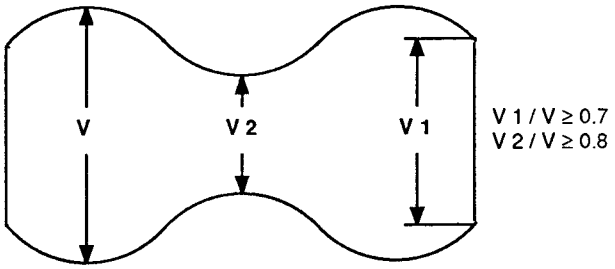


Fig. 40

6.8.2 Einstellen der Neigung des A/C-Kopfes

- Unbespielte Cassette vom Bandanfang an wiedergeben.
- Neigung des A/C-Kopfes (34) mit Schraube "A1" (Fig. 41 / 42) so einstellen, daß das Band bei manueller Bandzugerhöhung leicht sichtbar, jedoch ohne zu bördeln am unteren Führungsbund des Bandlaufbolzens P4 aufliegt.
- Höheneinstellung des A/C-Kopfes prüfen (Kap. 6.8.3)

6.8.2 Tilt Adjustment of the A/C Head

- Playback an un-used cassette from the beginning.
- Adjust the tilt of the A/C head (34) with the screw "A1" (Fig. 41 / 42) so that the tape, whilst manually increasing the tape tension, just touches the lower collar of the Tape Guide Bolt P4 without crinkling.
- Check the height adjustment of the A/C Head (para 6.8.3)

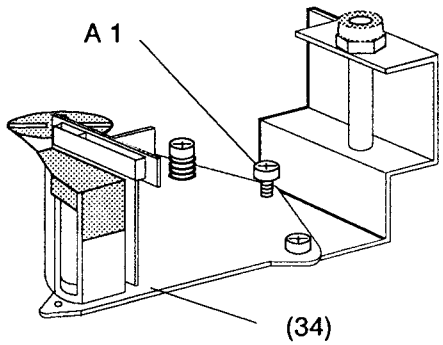


Fig. 41

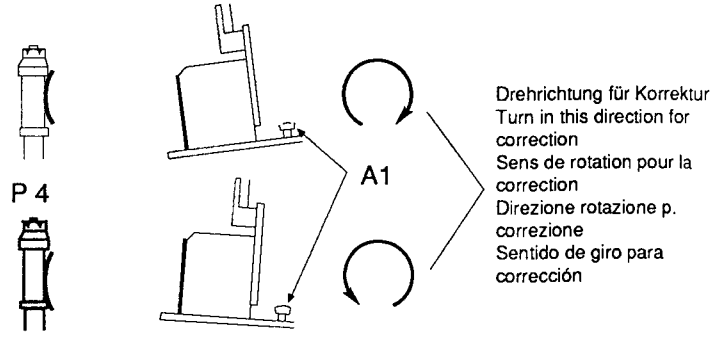


Fig. 42

6.8.3 Höheneinstellung des A/C-Kopfes

Meßmittel: Testcassette, Oszilloskop
- Testcassette wiedergeben
- mit Mutter (35) den unteren Rand des Synchronkopfes mit dem unteren Rand des Bandes zur Deckung bringen (Fig. 43).

Kontrolle:
- Tastkopf des Oszilloskops an EURO-AV-Buchse, Kontakt 1
- 6,3 kHz- Signal der Testcassette wiedergeben
- mit Mutter (35) maximale Ausgangsspannung einstellen (Fig. 44).

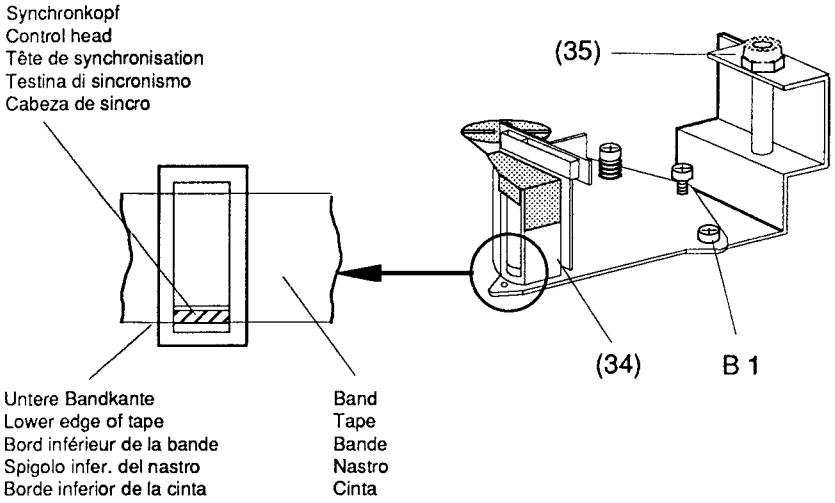


Fig. 43

6.8.3 Height adjustment of the A/C Head

Service Aids: Test Cassette, Oscilloscope
- Playback the Test Cassette.
- Turn the nut (35) so that the bottom edge of the Sync Head coincides with the lower edge of the tape (Fig. 43).

CHECK:
- Connect a test probe from the Oscilloscope to contact 1 of the EURO-AV Socket.
- Playback the 6.3 kHz signal from the Test Cassette.
- Adjust the nut (35) to obtain maximum output voltage (Fig. 44).

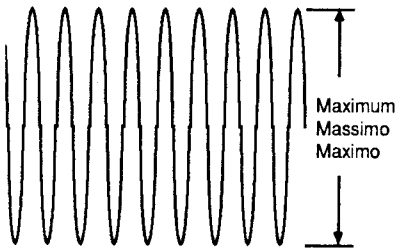


Fig. 44

6.8.4 Azimuteintellung des A/C-Kopfes

Meßmittel: Testcassette, Oszilloskop
- Tastkopf des Oszilloskops an EURO-AV-Buchse, Kontakt 1.
- 6,3 kHz-Audiosignal der Testcassette wiedergeben.
- mit Schraube "B1" maximalen Ausgangspegel einstellen (Fig. 43, Fig. 44).

6.8.5 Einstellen der horizontalen Lage des A/C-Kopfes

Meßmittel: Testcassette, Oszilloskop
- Oszilloskop nach Abbildung Fig. 37 anschließen
- Testcassette wiedergeben (Tracking in Mittelstellung)
- Hüllkurve (FM vom Band) mit Mutter (36) auf maximale Amplitude einstellen (Fig. 45, Fig. 46).

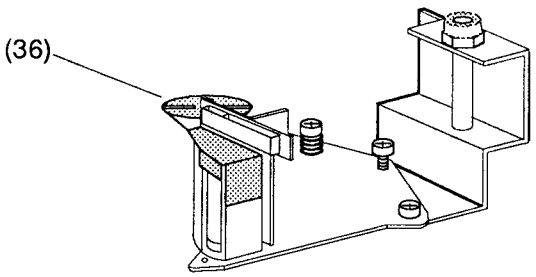


Fig. 45

6.8.4 Azimuth adjustment of the A/C Head

Service Aids: Test Cassette, Oscilloscope
- Connect a test probe from the Oscilloscope to contact 1 of the EURO-AV Socket.
- Playback the 6.3 kHz signal from the Test Cassette.
- Adjust the screw "B1" to obtain maximum output voltage (Fig. 43, Fig. 44).

6.8.5 Horizontal position adjustment of the A/C Head

Service Aids: Test Cassette, Oscilloscope
- Connect the Oscilloscope as shown in Fig. 37.
- Playback the Test Cassette (tracking to mid setting).
- Set the envelopes (FM Tape) to maximum amplitude (Fig. 45, Fig. 46) with the nut (36).

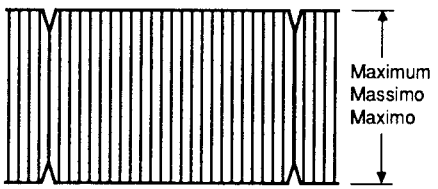


Fig. 46

7. Hinweise zu Reparaturen in der Antriebsmechanik

Dieses Laufwerk ist durch den Funktionswahlschalter (55) sehr eng mit der Ablaufsteuerung verknüpft. Die Beziehung zwischen Funktionswahlschalter und den Kurvenrädern bestimmt alle weiteren mechanischen Funktionsabläufe. Falls Hebel, Zahnräder, Rollen usw. nicht exakt eingebaut sind, können deshalb Laufwerksblockaden, bzw. Schäden im Laufwerk oder in der Elektronik auftreten.

Die Abbildungen Fig. 47 / 48 zeigen das Laufwerk in der Bezugsposition "STOP" und die dabei auftretende Anordnung der Markierungslöcher. Die Bezugsposition "STOP" ist identisch mit der Laufwerkstellung "Umspulbetrieb". Diese entspricht der 2. Raststellung des Kupplungsrades (116), wenn diese Laufwerkstellung durch Drehen des Capstanrotors von Hand angefahren wird.

Der Austausch von Bauteilen in der Antriebsmechanik darf nur in dieser Laufwerkstellung erfolgen.

7. Notes on Repairing the Drive Mechanism

This Drive Mechanism is very closely coupled with the Sequence Control by means of the Mode Select Switch (56). The relationship between the Mode Select Switch and the Cam Gears determines all the sequences of the other mechanical operations. If, therefore, the levers, gears and rollers etc, are not correctly fitted, the drive mechanism may fail to work and damage may occur within the mechanics or electronic circuits.

The illustrations Fig. 47 / 48 show the drive mechanism in the reference position "STOP" and the resulting alignment of the marking holes. The reference position "STOP" is identical to the mechanical position during "WINDING MODE". This corresponds to the second locking position of the clutch disc (116), when this mechanical position is reached by rotating the capstan rotor by hand.

Replacement of components in the drive mechanism must only be carried out with the mechanics set to this position.

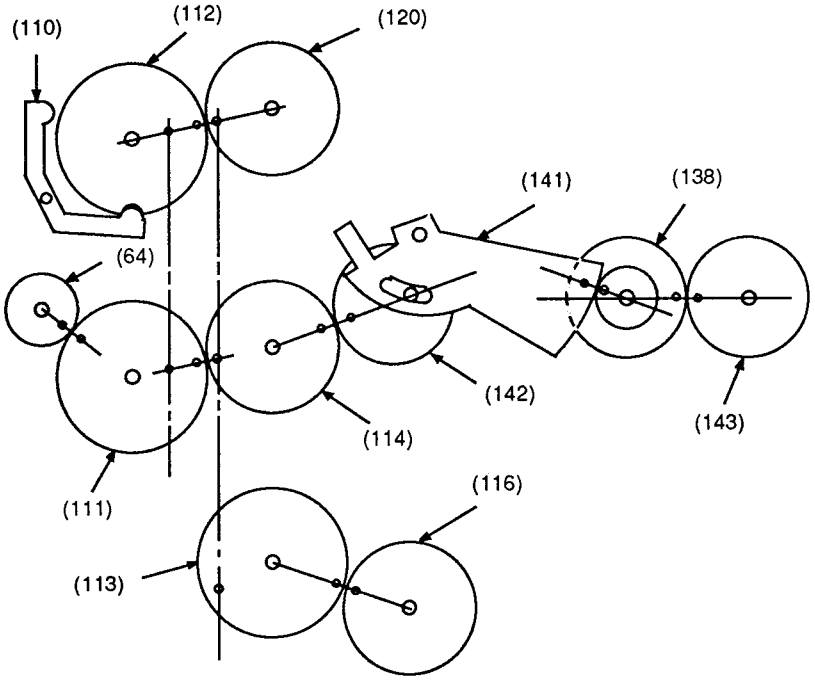


Fig. 47

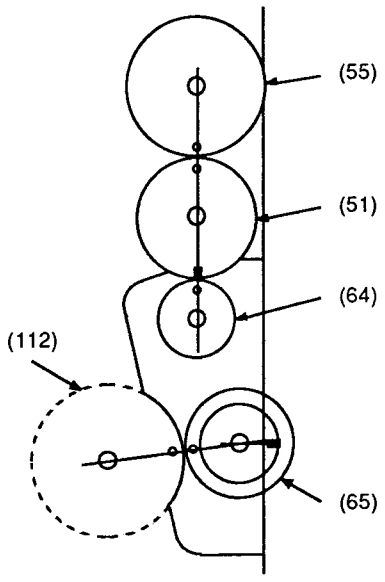


Fig. 48

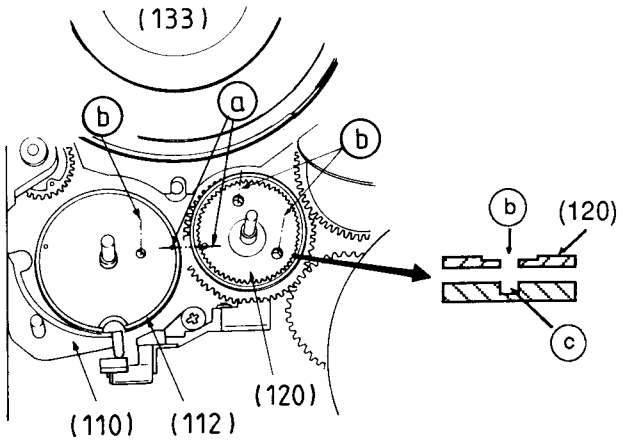


Fig. 49

7.1 Kurvenrad (112), Ringrad (120), Sperrhebel (110)

- Ringrad (120) so einbauen, daß die Markierungslöcher (b) im Ringrad mit den Markierungslöchern (c) im Laufwerkchassis übereinstimmen (Fig. 49).
- Kurvenrad (112) so einbauen, daß das Markierungsloch (b) mit dem Markierungsloch (c) im Laufwerk übereinstimmt und das Markierungsloch (a) dem Markierungsloch (a) des Ringrades (120) gegenübersteht.
- Sperrhebel (110) einsetzen.

7.2 Kurvenrad (111), Untersetzungszahnrad (64)

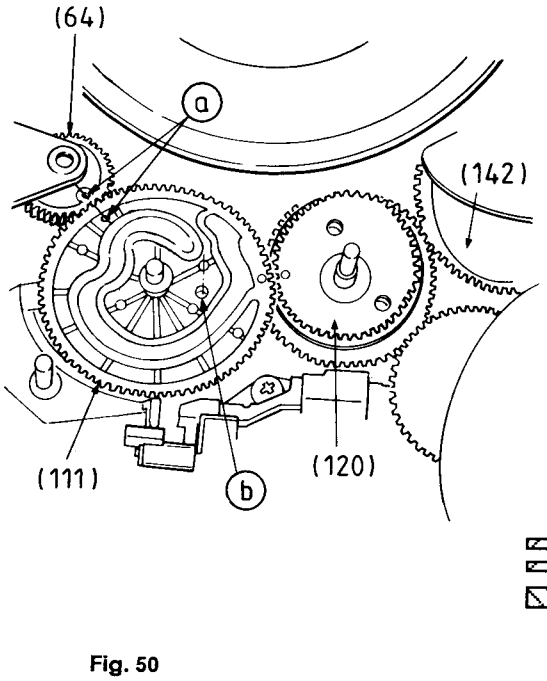
- Untersetzungszahnrad (64) von der Oberseite des Laufwerks einsetzen (Fig. 50).
- Kurvenrad (111) so auf das Kurvenrad (112) stecken, daß sich die Markierungslöcher (a) des Kurvenrades (111) und des Untersetzungszahnrads (64) gegenüberstehen. Gleichzeitig müssen die Markierungslöcher (b) der Kurvenräder (111) und (112) genau übereinander liegen (Fig. 49 / 50).

7.1 Sub Cam Gear (112), Ring Gear (120), Locking Lever (110)

- Fit the ring gear (120) so that the marked holes (b) in the Ring Gear lines up with the marked holes (c) in the mechanical chassis (Fig. 49).
- Fit the Sub Cam Gear (112) so that the marked hole (b) lines up with the marked hole (c) in the mechanics and that the marked hole (a) faces towards the marked hole (a) on the Ring Gear (120).
- Fit the Locking Lever (110).

7.2 Cam Gear (111), Reduction Toothed Gear (64)

- Fit the Reduction Toothed Gear (64) from the top of the mechanics (Fig. 50)
- Fit the Cam Gear (111) onto the Sub Cam Gear (112) so that the marked holes (a) on the Cam Gear (110) and the Reduction Gear (64) are aligned towards each other. In this position the marked holes (b) on the Cam Gears (111) and (112) must lie accuratly over each other (Fig. 49 / 50).



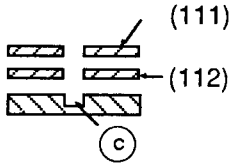


Fig. 50

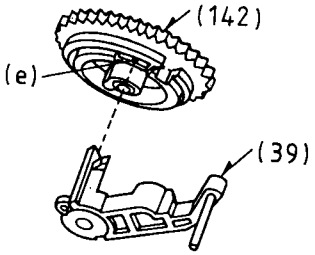


Fig. 51

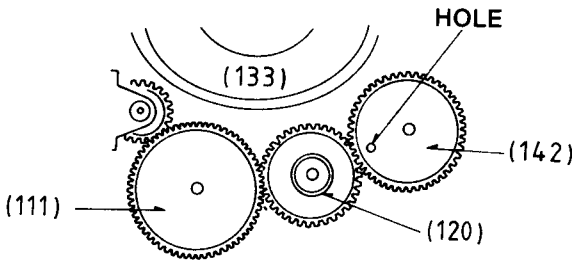


Fig. 51-1

7.3 Ladekurvenrad (142), Zwischenrad (114)

- Ladekurvenrad (142) so einbauen, daß der Hilfsladehebel (39) in die Aussparung "e" eingreift (Fig. 51).
- Zwischenrad (114) auf das Ringrad (120) stecken (Fig. 52). Die Markierungslöcher des Zwischenrades (114) und des Kurvenrades (111), sowie die Markierungslöcher (b) des Zwischenrades (114) und des Ladekurvenrades (142) müssen gegenüberstehen. Gleichzeitig müssen das Markierungsloch (b') des Zwischenrades (114), das Markierungsloch (b) des Ringrades (120) und das Markierungsloch (c) im Laufwerkchassis übereinanderliegen.

7.4 Steuerrad (113)

- Steuerrad (113) so auf das Zwischenrad (114) stecken, daß das Markierungsloch (a) des Steuerrades (113) dem Markierungsloch (a) des Kupplungsrades (116) gegenübersteht und die Markierungslöcher (b) des Steuerrades (113), (b') des Zwischenrades (114), (b) des Ringrades (120) und (c) des Laufwerks übereinanderliegen (Fig. 53).
- Sicherungsring (100) montieren.

7.5 Hauptsteuerschieber (103), Steuerhebel (109)

- Hauptsteuerschieber (103) einsetzen und mit den Sicherungsringen (100) befestigen (Fig. 54).
- Steuerhebel (109) so einbauen, daß dessen Steuerbolzen " f " in die Steuerkurve des Kurvenrades (111) und der Abbug in die Aussparung des Hauptsteuerschiebers (103) eingreift (Fig. 55).
- Greifring " X " montieren.

7.3 Loading Cam Gear (142), Intermediate Gear (114)

- Fit the Loading Cam Gear (142) so that the Sub Loading Lever (39) engages with the cut out "e" (Fig. 51).
- Fit the Intermediate gear (114) onto the Ring Gear (120), (Fig. 52). The marked holes (a) on the Intermediate Gear (114) and the Cam Gear (111) and the marked the holes (b) on the Intermediate Gear (114) and the Loading Cam Gear (142) must be aligned towards each other. Simultaneously the marked hole (b') on the Intermediate Gear (114), the marked hole (b) on the Ring Gear (120) and the marked hole (c) on the mechanical chassis must lie accurately over each other.

7.4 Drive Gear (113)

- Fit the Drive Gear (113) onto the Intermediate Gear (114) so that the marked hole (a) on the Drive Gear (113) is aligned towards the marked hole (a) on the Clutch Disk (116), and the marked holes (b) on the Drive Gear (113), marked hole (b') on the Intermediate Gear (114),marked hole (b) on the Ring Gear (120) and the marked hole (c) on the mechanics lie accurately over each other (Fig. 53).
- Fit the Securing Ring (100).

7.5 Main Control Lever (103), Control Lever (109)

- Fit the Main Control Lever (103) and secure with the securing ring (100) (Fig. 54)
- Fit the Control Lever (109) so that the Drive Bolt " f " engages with the cam curve of the Cam Gear (111) and the bent part with the gap in the main control lever (103), Fig. 55.
- Fit the Grip Ring "X".

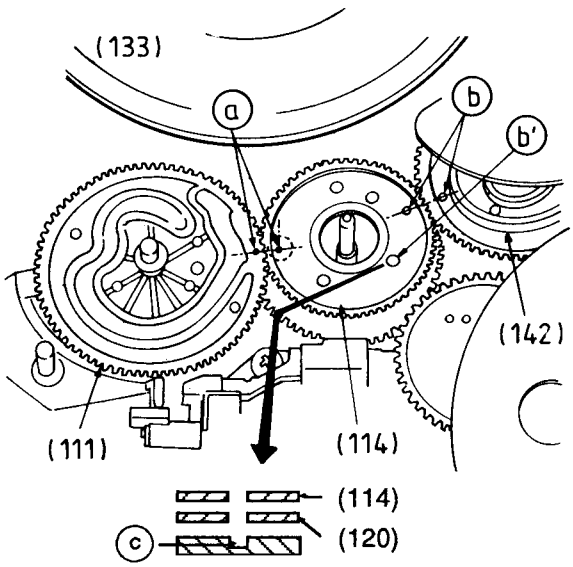


Fig. 52

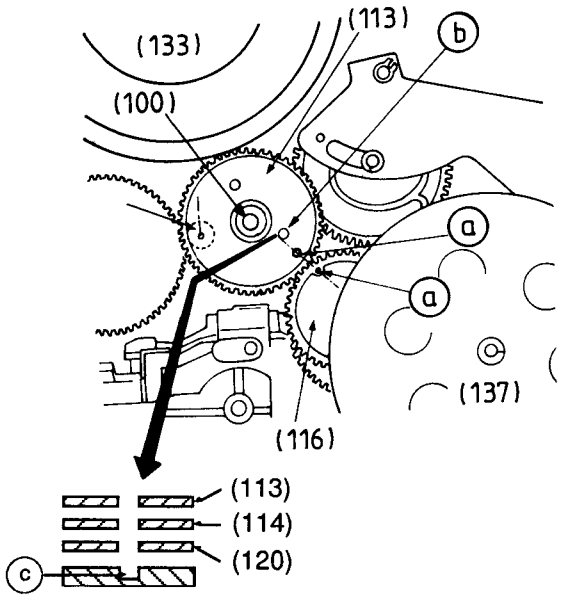


Fig. 53

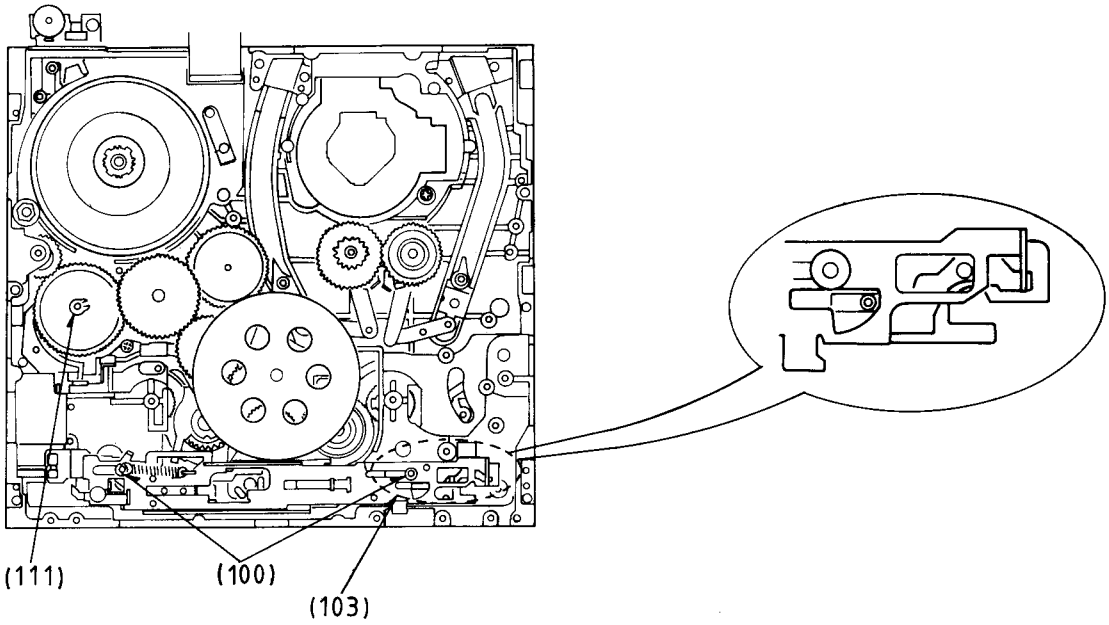


Fig. 54

7.6 Laderäder (138,143), Zahnsegment (141), Bremshebel (105), Spannrollenhebel (108)

- Bandführungsbolzen P2, P3 in Stellung "STOP" bringen.
- Laderäder (138, 143) so einsetzen, daß sich deren Markierungslöcher (b) gegenüberstehen (Fig. 56).
- Zahnsegment (141) nach Fig. 56 einbauen. Das Markierungsloch (b) des Zahnsegments (141) muß sich gegenüber der Markierungsnase (d) des Laderades (138) befinden.
- Bremshebel (105) und Greifring "X" montieren.
- Spannrollenhebel (108) einbauen.
- Spannung des Riemens des Capstanmotors einstellen (Kap. 6.1)
- Schrauben "SC" anziehen.

7.6 Loading Gears (138,143), Toothed Segment (141), Brake Lever (105), Tension Roller Lever (108)

- Set the Tape Guide Bolts P2 and P3 into the "STOP" position.
- Fit the Loading Gears (138, 143) so that their marked holes (b) are aligned towards each other (Fig. 56).
- Fit the Toothed Segment (141) as shown in Fig. 56. The marked hole (b) on the Toothed Segment (141) must be aligned towards the marked lug (d) on the Loading Gear (138).
- Fit the Brake Lever (105) and the Grip Ring "X".
- Fit the Tension Roller Lever (108).
- Adjust the tension of the belt of the capstan motor (para 6.1).
- Tighten the screws "SC".

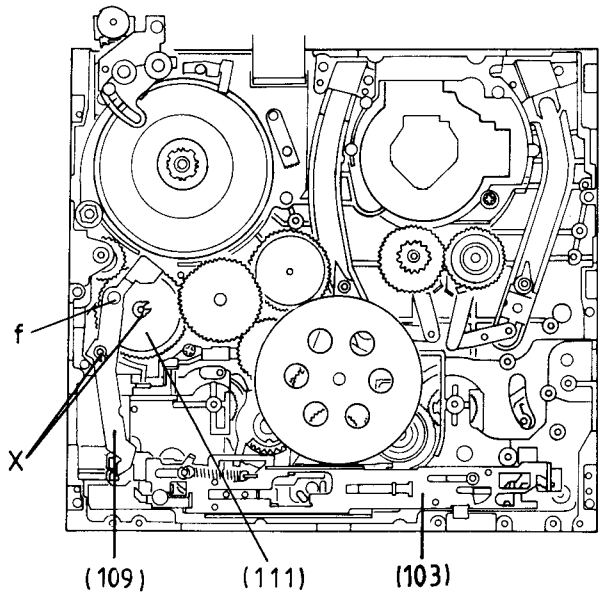


Fig. 55

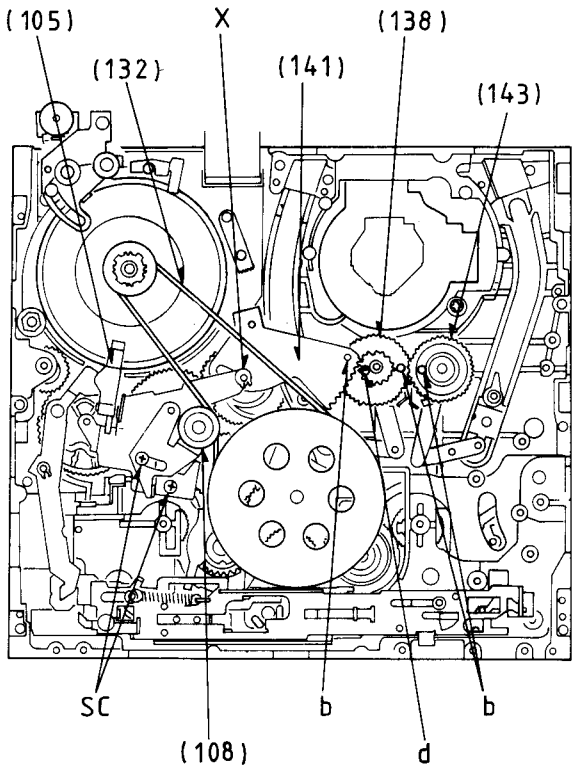


Fig. 56

7.7 Umspulhebel (153), Umspulkupplung (151), Zugverminderungshebel (154), Zugverminderungs-Kupplung (152)

- Umspulhebel (153) und Umspulkupplung (151) montieren (Fig. 57).
- Umspulriemen (159) auf die Umspulkupplung (151) legen.
- Zugverminderungshebel (154) und Zugverminderungs-Kupplung (152) einbauen.

7.7 Rev Arm Unit (153), Rev Clutch Unit (151), Tension Release Lever (154), Tension Release Clutch Unit (152)

- Fit the Rev Arm Unit (153) and the Rev Clutch Unit (151), Fig. 57.
- Put the Rev Motor Timing Belt (159) onto the Rev Clutch Unit (151).
- Fit the Tension Release Lever (154) and Tension Release Clutch Unit (152).

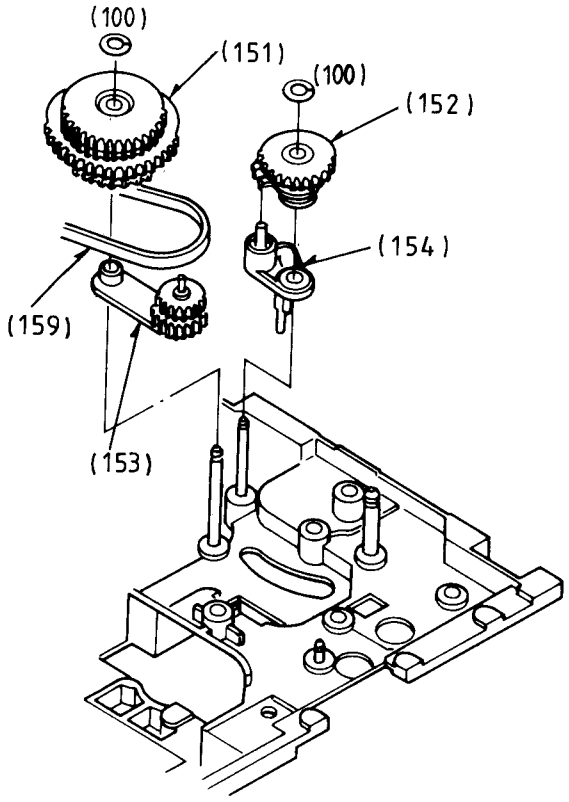


Fig. 57

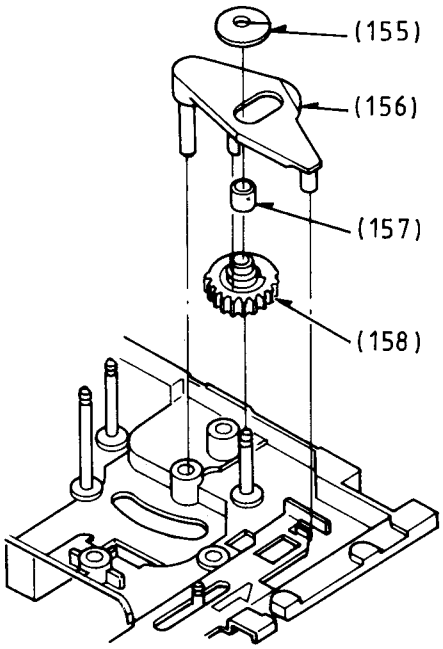


Fig. 58

7.8 Hilfshebelrad (158), Hilfshebel (156), Umspulkontrollhebel (160)

- Hilfshebelrad (158), Hilfshebel (156), Bremsring (157) und Scheibe (155) gemäß Fig. 58 montieren.
- Umspulkontrollhebel (160) gemäß Fig. 59 einbauen.

7.9 Riemenspannhebel (93)

- Riemenspannhebel (93) gemäß Fig. 60 montieren.
- Riemenspannung, wie in Kapitel 6.2 beschrieben, einstellen.

7.8 Sub Lever Cam (158), Sub Cam Follower (156), Review Control Lever (160)

- Fit the Sub Lever Cam (158), the Sub Cam Follower (156), the Rubber Stopper (157) and the Washer (155) as shown in Fig. 58.
- Fit the Review Control Lever (160) as shown in Fig. 59.

7.9 Tension Pulley Base Unit (93)

- Fit the Tension Pulley Base Unit (93) as shown in Fig. 60.
- Adjust the tension of the Timing Belt as described under point 6.2.

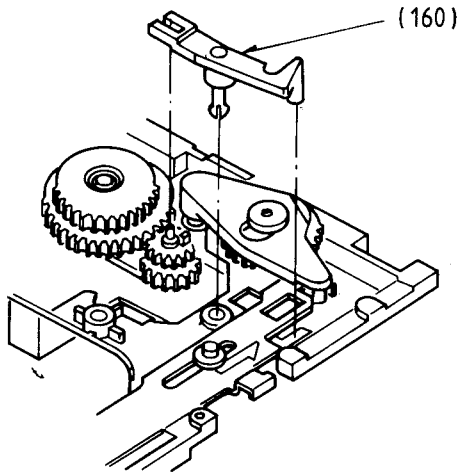


Fig. 59

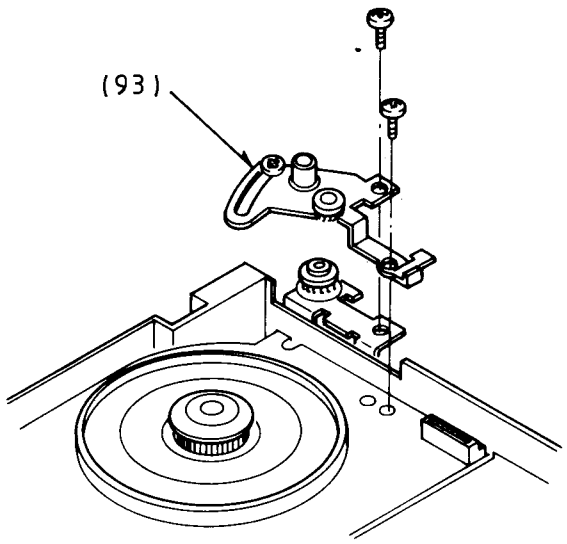


Fig. 60

7.10 Zwischenrad (65)

Hinweis: Bevor Sie das Zwischenrad einbauen, müssen sich alle Zahnräder in den bisher beschriebenen Positionen befinden.

- Zwischenrad (65) gemäß Abbildung Fig. 61 einsetzen. Die Markierungslöcher (a) des Zwischenrades (65) und des Kurvenrades (112) müssen sich gegenüberstehen.

7.10 Intermediate Gear (65)

Note: Before fitting the Intermediate Gear make sure that all other gears are in the positions described earlier.

- Fit the Intermediate Gear (65) as shown in Fig. 61. The marked holes (a) on the Intermediate Gear (65) and the Cam gear (112) must be aligned towards each other.

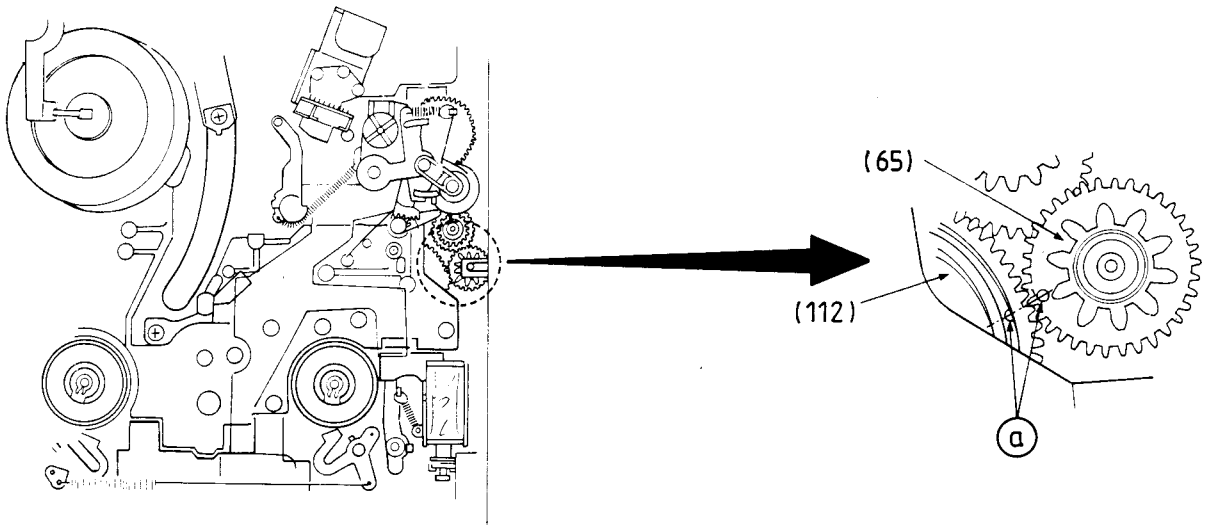


Fig. 61

7.11 Funktionswahlschalter (55), P5-Zahnsegment (50)

- Funktionswahlschalter (55) einsetzen, Schraube "g" eindrehen und Kontakte "h" anlöten (Fig. 62).
- P5-Zahnsegment (50) nach Abbildung Fig. 62 einsetzen. Das Markierungsloch (a) des P5-Zahnsegments (50) muß dem 1. Zahn des Zahnsegments des P5-Hebels (53) gegenüberstehen.

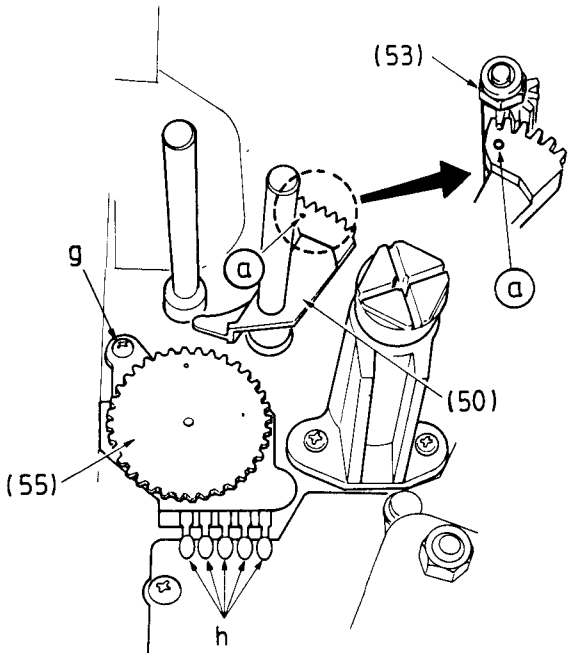


Fig. 62

7.11 Mode Select Switch (55), P5 Toothed Segment (50)

- Fit the mode select switch (55), tighten the screw "g" and solder the contacts "h" (Fig. 62).
- Fit the P5 Toothed Segment (50) as shown in Fig. 62. The marked hole (a) on the P5 Toothed Segment (50) must be aligned towards the first tooth of the Tooth Segment on the P5 Lever (53).

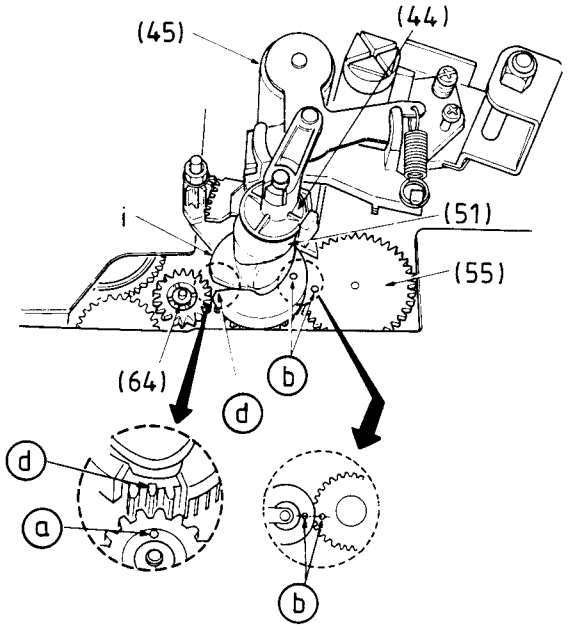


Fig. 63

7.12 Rollenhebelantrieb (51), Andruckrolleneinheit (45)

- Rollenhebelantrieb (51) so einsetzen, daß die Ecke " i " des P5-Hebels (53) in der Aussparung des Rollenhebelantriebs liegt (Fig. 63). Die Markierungsnase (d) am Zahnrad des Rollenhebelantriebs und das Markierungsloch (a) des Untersetzungszahnrads (64) müssen gegenüberstehen. Außerdem müssen die Markierungslöcher (b) des Funktionswahlschalters (55) und des Zahnrades des Rollenhebelantriebs (51) gegenüberstehen.
- Andruckrolleneinheit (45) und Sicherungskappe (44) einbauen.

7.12 Roller Lever Drive (51), Pressure Roller Assembly (45)

- Fit the Roller Lever Drive (51), so that the corner " i " of the P5 Lever (53) lies in the cut out on the Roller Lever Drive (Fig.63). The marked nose (d) on the toothed gear of the Roller Lever Drive and the marked hole (a) on the Reduction Toothed Gear (64) must be aligned towards each other. In addition, the marked holes (b) on the Mode Select Switch (55) and on the tooth gear of the Roller Lever Drive (51) must be aligned towards each other.
- Fit the Pressure Roller Assembly (45) and the Securing Cap (44).

8. Allgemeine Hinweise

- Die in Klammern angegebenen Zahlen sind mit den Positionsnummern in den Explosionszeichnungen und Ersatzteillisten identisch.
- Justagemarkierungen:

(a) kleine Markierungslöcher
(b) große Markierungslöcher
(c) Bezugsmarkierung im Laufwerk
(d) Markierungsnasen

Testcassette **Sach-Nr. 9.27540 - 1011**
- Farbtestbild mit Dropout-Einblendung
- 6,3 kHz- Senkrecht-Vollspuraufzeichnung und Bezugspegel 333 Hz in dreiminütigem Wechsel.

Testcassette (HiFi) **Sach-Nr. 9.27540 - 1016**
- Farbtestbild mit Dropout-Einblendung
- Längsspur - Ton: 6,3 kHz / 333 Hz
- FM-Ton: 1 kHz Vollpegel (± 50 kHz Hub)

Ersatzteilliste

Die Ersatzteilliste für das Laufwerk ist im Service Manual des betreffenden Videorecorders enthalten!

8. General Notes

- The numbers quoted in brackets are the same as the position numbers given in the Exploded Diagrams and Spare Parts Lists.
- Alignment marks:

(a) Small marked holes
(b) Large marked holes
(c) Reference mark in the mechanics
(d) Marked lugs

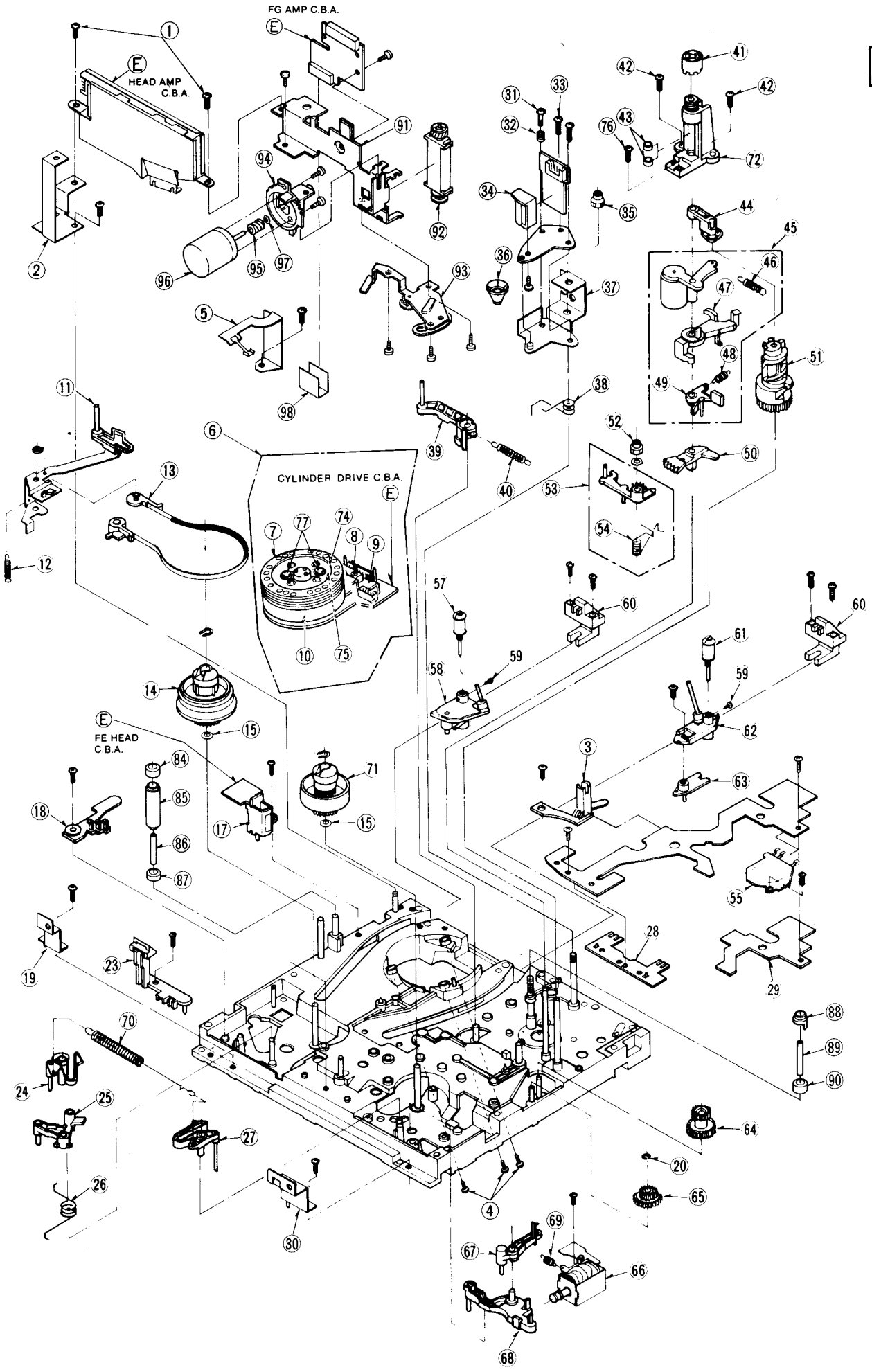
Test cassette **Part no. 9.27540 - 1011**
- Colour test pattern with dropout recording
- 6.3 kHz vertical full-track recording alternating with 333 Hz reference level every 3 minutes.

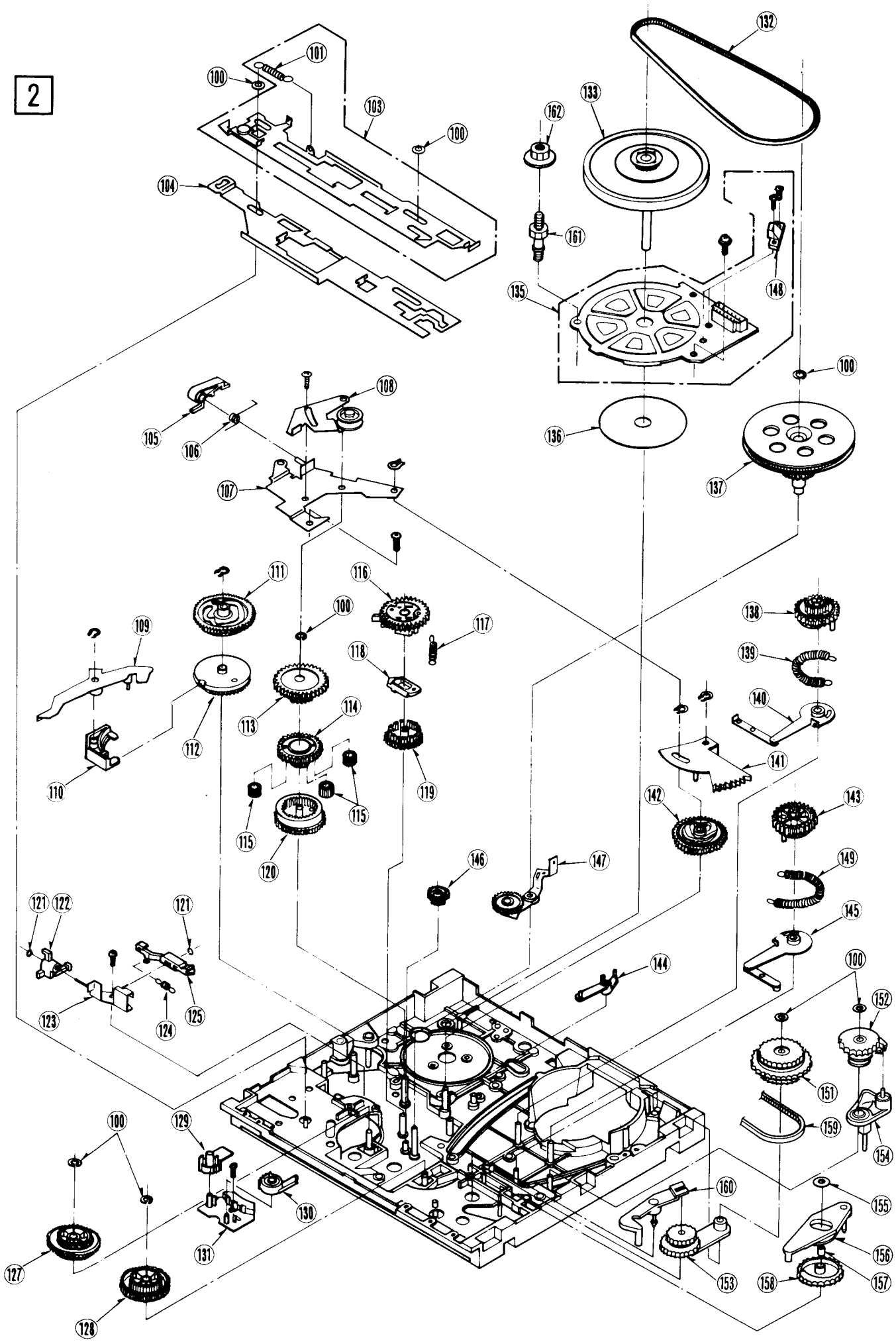
Test cassette (HiFi) **Part no. 9.27540 - 1016**
- Colour test pattern with dropout recording
- Longitudinal track sound: 6.3 kHz / 333 Hz
- FM sound: 1 kHz full level (± 50 kHz deviation)

Spare parts list

The Service Manual of the video recorder referred to contains the spare parts list of the drive mechanism!

Explosionszeichnungen Exploded views

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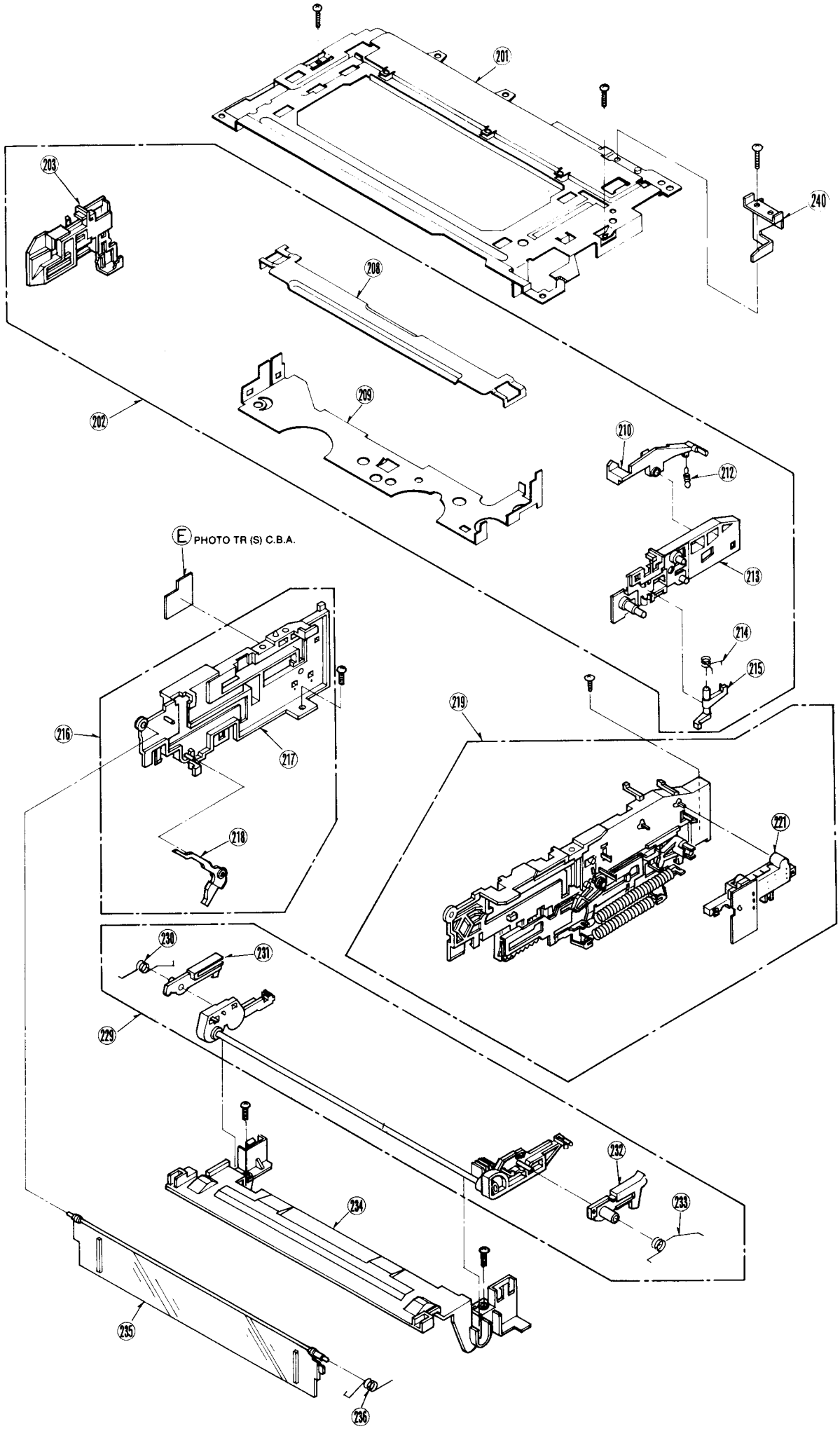
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